



**Intern Roster
1992 – 2022**

Year/Sponsor/Mentor:	2022	The Wege Foundation, Steelcase, Grand Rapids, MI	Maeve Tropf
Project:	Work with Energy, Climate, and Renewables Team to report Steelcase's annual GHG emission reductions to the Carbon Disclosure Project and to help set carbon targets for suppliers in their supply chain.		
Intern/Affiliation:	Katie Portz		M.S. Sustainable Systems
Faculty Mentor:	Dr. Gregory A. Keoleian		
Year/Sponsor/Mentor:	2022	U-M Center for Sustainable Systems	Mary Braun
Project:	Update 29 Factsheets on the sustainability of systems that meet human needs by gathering data on the current patterns of use, environmental impacts and sustainable alternatives.		
Intern/Affiliation:	Erik Anderson II		M.S. Sustainable Systems
Year/Sponsor/Mentor:	2021	The Wege Foundation, Steelcase, Grand Rapids, MI	Maeve Tropf
Project:	Work with Energy, Climate, and Renewables Team to report Steelcase's annual GHG emission reductions to the Carbon Disclosure Project and to help set carbon targets for suppliers in their supply chain.		
Intern/Affiliation:	Matthew Boelens		M.S. Sustainable Sys. / M.B.A.
Faculty Mentor:	Dr. Gregory A. Keoleian		
Year/Sponsor/Mentor:	2021	U-M Center for Sustainable Systems	Helaine Hunscher
Project:	Update 29 Factsheets on the sustainability of systems that meet human needs by gathering data on the current patterns of use, environmental impacts and sustainable alternatives.		
Intern/Affiliation:	Krystal Krygowski		M.S. Sustainable Systems
Year/Sponsor/Mentor:	2020	The Wege Foundation, Steelcase, Grand Rapids, MI	Lynn Zimmerman
Project:	Work on ISO 14,001 implementation, energy conservations initiatives, waste reduction and recycling research, product design for environment, development of metrics and data collection for Corporate Sustainability Report and reducing their global footprint.		
Intern/Affiliation:	Muhan Chen		M.S. Sustainable Systems
Faculty Mentor:	Dr. Gregory A. Keoleian		
Year/Sponsor/Mentor:	2020	U-M Center for Sustainable Systems	Helaine Hunscher
Project:	Update 29 Factsheets on the sustainability of various systems that meet human needs by gathering data on the current patterns of use, environmental impacts and sustainable alternatives.		
Intern/Affiliation:	Connor Cox		M.S. Sustainable Sys. / M.B.A.
Year/Sponsor/Mentor:	2019	The Wege Foundation, Steelcase, Grand Rapids, MI	Lynn Zimmerman
Project:	Work on ISO 14,001 implementation, energy conservations initiatives, waste reduction and recycling research, product design for environment, development of metrics and data collection for Corporate Sustainability Report and reducing their global footprint.		
Intern/Affiliation:	Yanjun (Leona) Liu		M.S. Sustainable Sys. / M.S.E. Env Eng.
Faculty Mentor:	Dr. Gregory A. Keoleian		

Year/Sponsor/Mentor: **2019 U-M Center for Sustainable Systems** Helaine Hunscher
Project: Update 29 Factsheets on the sustainability of various systems that meet human needs by gathering data on the current patterns of use, environmental impacts and sustainable alternatives.

Intern/Affiliation: **Stephen (Simi) Barr** M.S. Sustainable Sys. / M.S.E. Space Syst Eng.

Year/Sponsor/Mentor: **2018 The Wege Foundation, Steelcase, Grand Rapids, MI** Lynn Zimmerman
Project: Work on ISO 14,001 implementation, energy conservations initiatives, waste reduction and recycling research, product design for environment, development of metrics and data collection for Corporate Sustainability Report and reducing their global footprint.

Intern/Affiliation: **Qi Gao** M.P.H. Environmental Health Sciences / UM
Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2018 U-M Center for Sustainable Systems** Helaine Hunscher
Project: Update 29 Factsheets on the sustainability of various systems that meet human needs by conducting research to gather data on the current patterns of use, environmental impacts and sustainable alternatives.

Intern/Affiliation: **Yanjun (Leona) Liu** M.S. Sustainable Sys. / M.S.E. Env Eng.

Year/Sponsor/Mentor: **2017 The Wege Foundation, Steelcase, Grand Rapids, MI** Lynn Zimmerman
Project: Work on ISO 14,001 implementation, energy conservations initiatives, waste reduction and recycling research, product design for environment, development of metrics and data collection for Corporate Sustainability Report and reducing their global footprint.

Intern/Affiliation: **Ke Yang** M.S. Sustainable Systems / UM
Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2017 U-M Center for Sustainable Systems** Helaine Hunscher
Project: Update 28 Factsheets on the sustainability of various systems that meet human needs by conducting research to gather data on the current patterns of use, environmental impacts and sustainable alternatives.

Intern/Affiliation: **Tara Mahone** M.S. Sustainable Sys. / UM

Year/Sponsor/Mentor: **2016 The Wege Foundation, Steelcase, Grand Rapids, MI** Dave Rinard
Project: Work on ISO 14,001 implementation, energy conservations initiatives, waste reduction and recycling research, product design for environment, development of metrics and data collection for Corporate Sustainability Report and reducing their global footprint.

Intern/Affiliation: **Jiarui Cai** M.S. Sustainable Systems & MSE / UM
Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2016 U-M Center for Sustainable Systems** Helaine Hunscher
Project: Update 27 Factsheets on the sustainability of various systems that meet human needs by conducting research to gather data on the current patterns of use, environmental impacts and sustainable alternatives.

Intern/Affiliation: **Katelyn Dindia Johnson** M.S. Sustainable Sys. & Behav, Edu Comm/ UM

Year/Sponsor/Mentor: **2015 The Wege Foundation, Steelcase, Grand Rapids, MI** Dave Rinard
Project: Work on ISO 14,001 implementation, energy conservations initiatives, waste reduction and recycling research, product design for environment, development of metrics and data collection for Corporate Sustainability Report and reducing their global footprint.

Intern/Affiliation: **Ryan Leclerc** M.S. Sustainable Systems / UM
Faculty Mentor: Dr. Gregory A. Keoleian



Center for Sustainable Systems

Year/Sponsor/Mentor: Project:	2015 U-M Center for Sustainable Systems Update 26 Factsheets on the sustainability of various systems that meet human needs by conducting research to gather data on the current patterns of use, environmental impacts and sustainable alternatives.	Helaine Hunscher
Intern/Affiliation:	Brittany Szczepanik	M.S. Sustainable Sys. & MSE / UM
Year/Sponsor/Mentor: Project:	2014 The Wege Foundation, Steelcase, Grand Rapids, MI Work on ISO 14,001 implementation, energy conservations initiatives, waste reduction and recycling research, product design for environment, development of metrics and data collection for Corporate Sustainability Report and reducing their global footprint.	Dave Rinard
Intern/Affiliation: Faculty Mentor:	Daniel Mittler Dr. Gregory A. Keoleian	M.S. Env. Policy & Planning / UM
Year/Sponsor/Mentor: Project:	2014 U-M Center for Sustainable Systems Update 25 Factsheets on the sustainability of various systems that meet human needs by conducting research to gather data on the current patterns of use, environmental impacts and sustainable alternatives. Update the Sustainability: Live It – Learn It website.	Helaine Hunscher
Intern/Affiliation:	Brett Simon	M.S. Sustainable Sys. & Env. Policy / UM
Year/Sponsor/Mentor: Project:	2013 The Wege Foundation, Steelcase, Grand Rapids, MI Work on ISO 14,001 implementation, energy conservations initiatives, waste reduction and recycling research, product design for environment, development of metrics and data collection for Corporate Sustainability Report and reducing their global footprint.	Dave Rinard
Intern/Affiliation: Faculty Mentor:	Braeden Gilchrist Dr. Gregory A. Keoleian	M.S. Sustainable Sys. / UM
Year/Sponsor/Mentor: Project:	2013 U-M Center for Sustainable Systems Update 24 Factsheets on the sustainability of various systems that meet human needs by conducting research to gather data on the current patterns of use, environmental impacts and sustainable alternatives. Update the Sustainability: Live It – Learn It website.	Helaine Hunscher
Intern/Affiliation:	Stephanie Smith	M.S. Sustainable Sys. / UM
Year/Sponsor/Mentor: Project:	2013 Michigan Energy Office, MI Implement a project that measurably reduces energy usage and costs at the business. Collect measurement data that demonstrates the effectiveness of the energy efficiency solution in a business setting. Submit monthly updates and final report.	Helaine Hunscher
Intern/Affiliation:	Abhishek Chitlangia	BSE Industrial Operations Eng./ UM
Year/Sponsor/Mentor: Project:	2012 The Wege Foundation, Steelcase, Grand Rapids, MI Work on ISO 14,001 implementation, energy conservations initiatives, waste reduction and recycling research, product design for environment, development of metrics and data collection for Corporate Sustainability Report and reducing their global footprint.	Dave Rinard
Intern/Affiliation: Faculty Mentor:	Nagapooja Seeba Dr. Gregory A. Keoleian	M.S. Sustainable Sys. / UM
Year/Sponsor/Mentor: Project:	2012 U-M Center for Sustainable Systems Update 24 Factsheets on the sustainability of various systems that meet human needs by conducting research to gather data on the current patterns of use, environmental impacts and sustainable alternatives. Update the Sustainability: Live It – Learn It website.	Helaine Hunscher
Intern/Affiliation:	Jordan Garfinkle	M.S. Sustainable Sys. / UM

Year/Sponsor/Mentor: **2012 U-M Center for Sustainable Systems** Helaine Hunscher
Project: Update 24 Factsheets on the sustainability of various systems that meet human needs by conducting research to gather data on the current patterns of use, environmental impacts and sustainable alternatives. Update the Sustainability: Live It – Learn It website.

Intern/Affiliation: **Janet Mosley** M.S. Sustainable Sys. / UM

Year/Sponsor/Mentor: **2011 The Wege Foundation, Steelcase, Grand Rapids, MI** Dave Rinard
Project: Work on ISO 14,001 implementation, energy conservations initiatives, waste reduction and recycling research, product design for environment, development of metrics and data collection for Corporate Sustainability Report and reducing their global footprint.

Intern/Affiliation: **Nicole Labutong** M.S. Sustainable Sys. & Env. Informatics / UM
Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2011 U-M Center for Sustainable Systems** Helaine Hunscher
Project: Update 23 Factsheets on the sustainability of various systems that meet human needs by conducting research to gather data on the current patterns of use, environmental impacts and sustainable alternatives. Update the Sustainability: Live It – Learn It website.

Intern/Affiliation: **Alphonse Anderson** Mechanical Engineer / UM alum

Year/Sponsor/Mentor: **2011 DELEG / MDEQ - RheTech Inc., Whitmore Lake, MI** Dale Copedge
Project: Implement the Economy, Energy, and Environment (E3) solutions identified in a recent energy audit conducted by a member of the E3 partnership, which may include an energy efficiency improvement, waste reduction or environmental footprint reduction, or sustainable manufacturing practice.

Intern/Affiliation: **Adam Olshove** BSE Mechanical Engineering / UM
Faculty Mentor: Dr. Jarod Kelly

Year/Sponsor/Mentor: **2010 The Wege Foundation, Steelcase, Grand Rapids, MI** Dave Rinard
Project: Work on ISO 14,001 implementation, energy conservations initiatives, waste reduction and recycling research, product design for environment, development of metrics and data collection for Corporate Sustainability Report and reducing their global footprint.

Intern/Affiliation: **Jenn Gough** M.S. Sustainable Systems / UM
Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2010 U-M Center for Sustainable Systems & Alcoa Foundation** Helaine Hunscher
Project: Update 22 Factsheets on the sustainability of various systems that meet human needs by conducting research to gather data on the current patterns of use, environmental impacts and sustainable alternatives. Update the Sustainability: Live It – Learn It website.

Intern/Affiliation: **Adam Bennett** M.S. Sustainable Systems / UM
Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2010 U-M Center for Sustainable Systems & Alcoa Foundation** Helaine Hunscher
Project: Update 22 Factsheets on the sustainability of various systems that meet human needs by conducting research to gather data on the current patterns of use, environmental impacts and sustainable alternatives. Update the Sustainability: Live It – Learn It website.

Intern/Affiliation: **Ryan Smith** M.S. Sustainable Sys, MSE MechEng / UM
Faculty Mentor: Dr. Gregory A. Keoleian



Center for Sustainable Systems

Year/Sponsor/Mentor:	2009 The Wege Foundation, Steelcase, Grand Rapids, MI	Dave Rinard
Project:	Work on ISO 14,001 implementation, energy conservations initiatives, waste reduction and recycling research, product design for environment initiatives, development of metrics and data collection for the first Corporate Sustainability Report, and implementation and reporting of Steelcase's commitment to reduce their global footprint.	
Intern/Affiliation:	Anne Winter	B.S. Chemical Engineering / UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	2009 U-M Center for Sustainable Systems & Alcoa Foundation	Helaine Hunscher
Project:	Update 18 Factsheets on the sustainability of various systems that meet human needs by conducting research to gather data on the current patterns of use, environmental impacts and sustainable alternatives. Update the Sustainability: Live It – Learn It website.	
Intern/Affiliation:	Matthew Durham	B.S.E. Chemical Engineering / UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	2009 U-M Center for Sustainable Systems & Alcoa Foundation	Helaine Hunscher
Project:	Update 18 Factsheets on the sustainability of various systems that meet human needs by conducting research to gather data on the current patterns of use, environmental impacts and sustainable alternatives. Update the Sustainability: Live It – Learn It website.	
Intern/Affiliation:	Elizabeth Durfee	M.S. Sustainable Systems / UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	2009 CMS Energy	Helaine Hunscher
Project:	Calculate the energy and carbon footprint of CMS facilities to evaluate options for reducing costs associated with facility operations and prepare for a national carbon tax.	
Intern/Affiliation:	Craig Cammarata	Dual M.P.P & M.S. Sustainable Systems / UM
Faculty Mentor:	Dr. David Mengebier	
Year/Sponsor/Mentor:	2009 MDEQ Water Bureau	Helaine Hunscher
Project:	Benchmark wet weather discharges policies in the U.S. EPA and the individual states regulatory agencies. Use the internet to identify information that currently exists on-line. Develop questionnaires to seek desired information not available from online sources.	
Intern/Affiliation:	Hilton Clark	M.P.H. Env Health & M.S. Sustain Syst / UM
Faculty Mentor:	Dr. Jonathan W. Bulkley	
Year/Sponsor/Mentor:	2009 MDEQ Water Bureau	Helaine Hunscher
Project:	Benchmark wet weather discharges policies in the U.S. EPA and the individual states regulatory agencies. Use the internet to identify information that currently exists on-line. Develop questionnaires to seek desired information not available from online sources.	
Intern/Affiliation:	Danielle LeFevre	M.S. Env Engineering / UM
Faculty Mentor:	Dr. Jonathan W. Bulkley	
Year/Sponsor/Mentor:	2009 MDEQ Water Bureau	Helaine Hunscher
Project:	Benchmark wet weather discharges policies in the U.S. EPA and the individual states regulatory agencies. Use the internet to identify information that currently exists on-line. Develop questionnaires to seek desired information not available from online sources.	
Intern/Affiliation:	Amy Samples	M.S. Environmental Policy / UM
Faculty Mentor:	Dr. Jonathan W. Bulkley	

Year/Sponsor/Mentor: **2008 The Wege Foundation, Steelcase, Grand Rapids, MI** Dave Rinard & Phil Hester

Project: Work on ISO 14,001 implementation, energy conservations initiatives, waste reduction and recycling research, product design for environment initiatives, development of metrics and data collection for the first Corporate Sustainability Report, and implementation and reporting of Steelcase’s commitment to reduce their global footprint.

Intern/Affiliation: **Ashley Murphree** B.S. Mech. & Civil and Env Engineering / UM

Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2008 Steelcase, Grand Rapids, MI** Angela Nahikian

Project: Support new and ongoing environmental initiatives including LCA data gathering, providing content for Marketing, Communications and Sales teams, assist with DFE training tool development, Material Assessment support, Cradle to Cradle certification support, and BIFMA Sustainable Assessment Standard evaluations.

Intern/Affiliation: **Elin Olson** M.S. Sustainable Systems / UM

Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2008 MDEQ – Honeywell Burdick & Jackson, Muskegon, MI** Dick Davis

Project: Investigate current solvent processing methods and technologies, develop a new approach and conduct lab-scale experiments to demonstrate effectiveness of new approach.

Intern/Affiliation: **Andrew Parth** B.S. Chemical Engineering / UM

Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2008 U-M Center for Sustainable Systems** Helaine Hunscher

Project: Update 15 Factsheets by conducting research to gather data on the current patterns of use, environmental impacts and sustainable alternatives. Develop two new Factsheets.

Intern/Affiliation: **Alphonse Anderson** MSE Mechanical Engineering / UM

Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2008 U-M School Nat. Resources & Env.** Duncan Callaway

Project: Code software to automate importation of existing .txt files; compare the overall efficiency of the PV system with one or more existing solar models for PV applications.

Intern/Affiliation: **Sina Sadeghi Baghsorkhi** Sustainable Systems / UM

Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2008 IISI – Living Steel** Scott Chubbs

Project: Conduct LCA of steel-structured 120 unit residential and retail building in Wuhan, China

Intern/Affiliation: **Julia Koslow** Dual MS-MBA / UM

Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2008 IISI – Living Steel** Scott Chubbs

Project: Conduct LCA of steel-structured 120 unit residential and retail building in Wuhan, China

Intern/Affiliation: **Alan Bush** Sustainable Systems / UM

Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2007 Steelcase, Grand Rapids, MI** Dave Rinard & Phil Hester

Project: Modify recycled content database methods to fit a newly developed industry standard for systems furniture products; conducted feasibility study for a small, off-grid renewable energy installation for a Grand Rapids site.

Intern/Affiliation: **Therese Dorau** Sustainable Systems / UM

Faculty Mentor: Dr. Gregory A. Keoleian



Center for Sustainable Systems

Year/Sponsor/Mentor:	2007 Steelcase, Grand Rapids, MI	Denise VanValkenberg
Project:	Support new and ongoing environmental initiatives including Lifecycle Assessment data gathering, providing content for Marketing, Communications and Sales teams, assist with DFE training tool development, Material Assessment support, Cradle to Cradle certification support, and BIFMA Sustainable Assessment Standard evaluations.	
Intern/Affiliation:	Ben Massie	Sustainable Systems / UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	2007 MDEQ – Biolab in Adrian, MI	Greg Snyder
Project:	Pollution prevention in wastewater treatment and reducing noise pollution in the plant.	
Intern/Affiliation:	David Carpenter	Chemical Engineering / UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	2007 MDEQ – Department of Transportation Lansing, MI	Molly Lamrouex & Bethany Mathousek
Project:	Gather & map the water quality information of bodies of water surrounding the highway project sites to assess impact of MDOT projects. Inventory aviation fuel to develop Spill Prevention Control & Containment plans.	
Intern/Affiliation:	Alex Lopez	Civil & Environmental Engineering / UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	2006 University of Michigan - OSEH	Andy Berki
Project:	Technical Update on Environmental Reporting for U-M Ann Arbor Campus Develop 4 Factsheets on U-M Environmental Performance	
Intern/Affiliation:	Wai Chen (Arthur) Chan	Sustainable Systems / UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	2006 Steelcase, Grand Rapids, MI	Dave Rinard
Project:	Product Recyclability Claims & Recycled Content Database & Materials Substantiation Product Environmental Performance	
Intern/Affiliation:	Peter Bailey	Sustainable Systems / UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	2005 Steelcase, Grand Rapids, MI	Dave Rinard
Project:	Green Supply Chain Management (SCM) Standards and Metrics Product Recyclability Claims & Recycled Content Database GHG Inventory	
Intern/Affiliation:	Dimitri Shanin	Public Policy / UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	2004 MDEQ – Department of Air Quality Lansing, MI	Dave Mason
Project:	Develop a Baseline GHG inventory for State of Michigan	
Intern/Affiliation:	Colin McMillan	Environmental Engineering / UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	2004 MDEQ - Bronson Medical Hosp, Kalamazoo, MI	Daniel Kettenbeil
Project:	Solutions for reduction of redundant energy use	
Intern/Affiliation:	Kwok Cheong Leung	Natural Resources. & Environment / UM
Faculty Mentor:	Dr. Gregory A. Keoleian	

Year/Sponsor/Mentor:	2004	Steelcase, Grand Rapids, MI	Dave Rinard
Project:	Continue Life Cycle Inventory of 3 products: work-surface, storage & panel		
Intern/Affiliation:	Bernhard Dietz	Natural Resources. & Environment / UM	
Faculty Mentor:	Dr. Gregory A. Keoleian		
Year/Sponsor/Mentor:	2004	Steelcase, Grand Rapids, MI	Phil Hester
Project:	Environmental profile of recycled content in product lines		
Intern/Affiliation:	Laura Flanigan	CEMP / UM	
Faculty Mentor:	Dr. Gregory A. Keoleian		
Year/Sponsor/Mentor:	2003	MDEQ, SE Michigan	Marcel L. Halberstadt
Project:	2003 Hospital Waste Survey		
Intern/Affiliation:	Travis Dahl	Environmental Engineering/ UM	
Faculty Mentor:	Dr. Gregory A. Keoleian		
Year/Sponsor/Mentor:	2003	Steelcase, Grand Rapids, MI	Phil Hester
Project:	Continue to develop a database for recycled content; Identify recyclability of current products; Identify waste elimination opportunities; Identify reuse options		
Intern/Affiliation:	Hillary Richmond	Natural Resources. & Environment / UM	
Faculty Mentor:	Dr. Gregory A. Keoleian		
Year/Sponsor/Mentor:	2003	Steelcase, Grand Rapids, MI	Dave Rinard
Project:	Life Cycle Inventory of 3 products: work-surface, storage & panel		
Intern/Affiliation:	Bernhard Dietz	Natural Resources. & Environment / UM	
Faculty Mentor:	Dr. Gregory A. Keoleian		
Year/Sponsor/Mentor:	2002	FRA, Washington, DC	Neil Moyer
Project:	Summer Intern for Specialized Environmental, Energy, Cost/Benefit, and Related Studies of Intercity rail Passenger Service		
Intern/Affiliation:	Tom Franzinger	Urban Planning/ UM	
Faculty Mentor:	Dr. Gregory A. Keoleian		
Year/Sponsor/Mentor:	2002	MDEQ, SE Michigan	Randy Gibbs, Anderson Development Company
Project:	Conversion of Hexane Waste Stream		
Intern/Affiliation:	Monica Smylor	Chemical Engineering/ UM	
Faculty Mentor:	Dr. Gregory A. Keoleian		
Year/Sponsor/Mentor:	2002	MDEQ, SE Michigan	Dave Mauro
Project:	Water Conservation, High-Bay Lighting, Alternative to Landfilling wood waste		
Intern/Affiliation:	Dan Carnes	Chemical Engineering/ UM	
Faculty Mentor:	Dr. Gregory A. Keoleian		
Year/Sponsor/Mentor:	2002	Steelcase, Grand Rapids, MI	Philip D. Hester
Project:	Develop a database for recycled content; Identify recyclability of current products; Identify waste elimination opportunities; Identify reuse options		
Intern/Affiliation:	Staci Harger	Environmental Policy and Economics/ UM	
Faculty Mentor:	Dr. Gregory A. Keoleian		
Year/Sponsor/Mentor:	2002	Ford, Dearborn, MI	John Sullivan
Project:	National LCI Database of Aluminum Casting Processes for Automobile Manufacturing		
Intern/Affiliation:	Rebecca Messing	B.S. Interdisciplinary Engineering / UM	
Faculty Mentor:	Dr. Gregory A. Keoleian		



Center for Sustainable Systems

Year/Sponsor/Mentor:	2001 FRA, Washington, DC	Steve Ditmeyer
Project:	Summer Intern for Specialized Environmental, Energy, Cost/Benefit, and Related Studies of Intercity rail Passenger Service	
Intern/Affiliation:	Elyse Steiner	CEMP/ UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	2001 MDEQ, SE Michigan	Jenna Latt
Project:	Reducing Water Consumption by a Metal Finishing Company	
Intern/Affiliation:	Tamika Young	Chemical Engineering/ UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	2001 MDEQ, SW Michigan	Jenna Latt
Project:	Conductivity Control Systems in the Metal Finishing Industry	
Intern/Affiliation:	Hon-Sue Gu	Chemical Engineering/ UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	2001 MDEQ, GM Hamtramck	Steve Kulesia
Project:	Community Environmental Awareness	
Intern/Affiliation:	Kristi Stewart	Chemical Engineering/ UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	2001 NREL, Golden, CO	Maggie Mann/Lynn Billman
Project:	Sustainability Assessment	
Intern/Affiliation:	Jake Swenson	CEMP/ UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	2001 Steelcase, Grand Rapids, MI	Steve Price
Project:	Alternatives to Packaging for Parts	
Intern/Affiliation:	Hui Ling Lee	Environmental Policy and Economics/ UM
Year/Sponsor/Mentor:	2001 UM Plant - OSEH	Yoshiko Hill/Andrew Berki
Project:	UM Sustainability Assessment and Reporting	
Intern/Affiliation:	Elizabeth Terry	CEMP/ UM
Faculty Mentor:	Dr. Jonathan W. Bulkley, Professor & Co-Director Center for Sustainable Systems Dr. Gregory A. Keoleian, Research Scientist & Co-Director Center for Sustainable Systems	
Year/Sponsor/Mentor:	2001 UM Plant - Utilities	Andrew Berki
Project:	Energy Conservation	
Intern/Affiliation:	Kathleen Grimes	Physics/ UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	2001	
Project:	Technology for Sustainable Environment: Life Cycle Optimization of Vehicle Replacement	
Intern/Affiliation:	Pamela O'Leary	NASA SHARP/SAP
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	2000 US EPA, Washington DC	Barbara Karn
Project:	Industrial Ecology Database	
Intern/Affiliation:	Christine Bogaerts	Chemical Engineering/ UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	2000 3M Corp., St. Paul, MN	
Project:	Environmental Implications of Switching from the Conventional Drying Oven to a Gap Dryer	
Intern/Affiliation:	Matthew J. Robertson	Chemical Engineering/ UM

Year/Sponsor/Mentor: **2000 Center for Sustainable Systems**
Project: Technology for Sustainable Environment: Life Cycle Optimization of Vehicle Replacement
Intern/Affiliation: **Sharina Mapleton** NASA SHARP/SAP
Faculty Mentor: Dr. Gregory A. Keoleian, Research Scientist & Co-Director Center for Sustainable Systems

Year/Sponsor/Mentor: **2000 3M Corp., St. Paul, MN** Brent Bystrom
Project: Life Cycle Assessment of a High-Performance Cloth
Intern/Affiliation: **Carly Sarna** Chemical Engineering/ UM

Year/Sponsor/Mentor: **2000 Guardian Inds., MI** Michael Turnbull
Project: Re-Validation of the Guardian Industries Sulfur Emissions Model
Intern/Affiliation: **Michael Wagner** Chemical Engineering/ UM
Faculty Mentor: Dr. Gregory A. Keoleian, Research Scientist & Co-Director Center for Sustainable Systems

Year/Sponsor/Mentor: **2000 3M Corp., St. Paul, MN** David J. Schutt
Project: Web Drying: Applications at 3M
Intern/Affiliation: **Catherine Lee** Civil & Environmental Engineering./ UM

Year/Sponsor/Mentor: **1999 Eastman Kodak Co.** Catie Blackler
Project: Life Cycle Assessment of a Digital Camera
Intern/Affiliation: **Jeff Manternach** University of Michigan
Faculty Mentor: Dr. Gregory A. Keoleian, Research Scientist & Co-Director Center for Sustainable Systems

Year/Sponsor/Mentor: **1999 Center for Sustainable Systems** Greg Keoleian
Project: Electricity Production in Washtenaw County
Intern/Affiliation: **Lauren Moss** Summer Apprenticeship Program
Faculty Mentor: Dr. Gregory A. Keoleian, Research Scientist & Co-Director Center for Sustainable Systems

Year/Sponsor/Mentor: **1998 Chrysler Corporation** Doug Orf
Project: AAMA-Environmental Evaluation of Hydraulic Fluids, Oils and Greases Used in Manufacturing & Maintenance Operations
Intern/Affiliation: **Steven Booth** College of Engineering/UM
Faculty Mentor: Dr. Susan Montgomery, Assistant Professor, Chemical Engineering, University of Michigan

Year/Sponsor/Mentor: **1998 Ford Motor Company** Phil Lawrence
Project: AAMA-Environmental Evaluation of Hydraulic Fluids, Oils and Greases Used in Manufacturing & Maintenance Operations
Intern/Affiliation: **Rebecca Fitzgerald** Chemical Engineering/MTU
Faculty Mentor: Dr. Michael Mullins, Professor, Chemical Engineering, Michigan Technological Univ.

Year/Sponsor/Mentor: **1998 MDEQ, Lansing, MI** Wendy Fizner
Project: Michigan Pulp and Paper Environmental Council; Pulp & Paper Case Studies
Intern/Affiliation: **Jeremy Hoeh** Chemical Engineering/ MSU
Faculty Mentor: Dr. Dennis Miller, Chemical Engineering, Michigan State University

Year/Sponsor/Mentor: **1998 General Motors Corp.** Sandy Brewer
Project: AAMA-Environmental Evaluation of Hydraulic Fluids, Oils and Greases Used in Manufacturing & Maintenance Operations
Intern/Affiliation: **Bryon Lawrence** Natural Resources. & Environment / UM
Faculty Mentor: Dr. G. A. Keoleian, Research Director, National Pollution Prevention Center



Center for Sustainable Systems

Year/Sponsor/Mentor: **1998 AAMA: Pollution Reduction Div** Donald Edmunds
Project: AAMA-Environmental Evaluation of Hydraulic Fluids, Oils and Greases Used in
Manufacturing & Maintenance Operations

Intern/Affiliation: **Todd Schebor** College of Engineering/ UM
Faculty Mentor: Dr. Gloria Helfand, Associate Professor, School of Natural Resources & Environment

Year/Sponsor/Mentor: **1997 Chrysler Corporation** Linda Plate
Project: Research Assistance and Case Study Development in Pollution Prevention in the Auto
Industry

Intern/Affiliation: **Michael J. Colarossi** Chemical Engineering/ UM
Faculty Mentor: Dr. Philip Savage, Professor, Chemical Engineering, University of Michigan

Year/Sponsor/Mentor: **1997 Waldorf/Rock-Tenn** Michelle Nault
Project: Water/Sewer System P2 at Waldorf Corporation

Intern/Affiliation: **Sara Cox** Environmental Engineering/WMU
Faculty Mentor: Dr. Van Maltby, Professor, Dept. of Environmental Engineering, Western Michigan Univ.

Year/Sponsor/Mentor: **1997 Mead Publishing Paper Division** Kathy Jacoby
Project: Pollution Prevention Opportunities at a Large Pulp and Paper Mill

Intern/Affiliation: **Christopher Edlin** Civil & Environmental Engineering / UM
Faculty Mentor: Dr. Kurt Paterson, Professor, Civil & Environmental Engineering, Michigan Technological U

Year/Sponsor/Mentor: **1997 AAMA** Donald Edmunds
Project: Analysis of Auto Project

Intern/Affiliation: **Scott Grasman** Industrial Engineering/ UM
Faculty Mentor: Dr. John Roberts Birge, Professor & Chair, Industrial and Operations Engineering, UM

Year/Sponsor/Mentor: **1997 Champion International Corp.** Wally Blair
Project: Sewer Loss Monitoring and Minimization

Intern/Affiliation: **Nicole J. Grossen** Chemical Engineering/ MTU
Faculty Mentor: Dr. David Hand, Professor, Chemical Engineering, Michigan Technological University

Year/Sponsor/Mentor: **1997 AAMA** Donald Edmunds
Project: Research Assistance & Case Study Development in Pollution Prevention in the Auto Industry

Intern/Affiliation: **Krista Hoversten** Dept. of Engineering/ MTU
Faculty Mentor: Dr. Kurt Paterson, Professor, Dept. of Engineering, Michigan Technological University

Year/Sponsor/Mentor: **1997 General Motors Corporation** Sandy Brewer
Project: Research Assistance & Case Study Development in Pollution Prevention in the Auto Industry

Intern/Affiliation: **Scott Ratz** Chemical Engineering/ UM
Faculty Mentor: Dr. Phil Savage, Professor, Dept. of Chemical Engineering, University of Michigan

Year/Sponsor/Mentor: **1997 Ford Motor Company** Rebecca Messick
Project: Life Cycle Analysis on Magnesium vs Aluminum for Transmission Case Design

Intern/Affiliation: **Peter Reppe** Natural Resources & Environment / UM
Faculty Mentor: Dr. G. A. Keoleian, Research Director, National Pollution Prevention Center

Year/Sponsor/Mentor: **1997 E.B. Eddy** Ms. Chris Lupu
Project: Research Assistance in Pollution Prevention in the Paper Industry

Intern/Affiliation: **Stephanie Schultz** Chemical Engineering/ UM
Faculty Mentor: Dr. Susan Montgomery, Assistant Professor, Chemical Engineering, University of Michigan

Year/Sponsor/Mentor: **1997 Ford Motor Company** Philip Lawrence
Project: Research Assistance and Case Study Development in Pollution Prevention in the Auto Industry

Intern/Affiliation: **Ellen Schwab** Chemical Engineering/ UM
Faculty Mentor: Dr. Johannes Schwank, Professor, Dept. of Chemical Engineering, University of Michigan

Year/Sponsor/Mentor: **1996 Chrysler Corporation** Linda Plate
Project: Identifying the Opportunities to Reduce the Use of Great Lakes Persistent Toxic-Substances at U.S. Automotive Plants

Intern/Affiliation: **Michael J. Colarossi** Chemical Engineering/ UM
Faculty Mentor: Dr. Susan Montgomery, Assistant Professor, Chemical Engineering, University of Michigan

Year/Sponsor/Mentor: **1996 AAMA** Donald Edmunds
Project: Identifying the Opportunities to Reduce the Use of Great Lakes Persistent Toxic-Substances at U.S. Automotive Plants

Intern/Affiliation: **Laura M. Diepenhorst** Civil & Environmental Engineering / UM
Faculty Mentor: Dr. Susan Montgomery, Assistant Professor, Chemical Engineering, University of Michigan

Year/Sponsor/Mentor: **1996 Xerox Corporation** Dr. Jack AzaR
Project: Analytical Assistance & Technical Support for the Hazardous Waste & Recyclability Assessments of Xerox-Marketed Products

Intern/Affiliation: **Thomas H. Savage** CEMP / UM
Faculty Mentor: Dr. G.A. Keoleian, Research Director, National Pollution Prevention Center

Year/Sponsor/Mentor: **1996 General Motors Corporation** Sandra Brewer
Project: Identifying the Opportunities to Reduce the Use of Great Lakes Persistent Toxic-Substances at U.S. Automotive Plants

Intern/Affiliation: **Colleen West** Chemical Engineering/ UM
Faculty Mentor: Dr. Susan Montgomery, Assistant Professor, Chemical Engineering, University of Michigan

Year/Sponsor/Mentor: **1996 Ford Motor Company** Philip Lawrence
Project: Identifying the Opportunities to Reduce the Use of Great Lakes Persistent Toxic-Substances at U.S. Automotive Plants

Intern/Affiliation: **Kristopher Wiljanen** Chemical Engineering/ UM
Faculty Mentor: Dr. Susan Montgomery, Assistant Professor, Chemical Engineering, University of Michigan

Year/Sponsor/Mentor: **1995 Chrysler Corporation** Linda Plate
Project: Best Management Practices in Spray Booth Cleaning

Intern/Affiliation: **Chris Davis** Chemical Engineering/ UM
Faculty Mentor: Dr. John Roberts Birge, Professor & Chair, Industrial and Operations Engineering, UM

Year/Sponsor/Mentor: **1995 Ford Motor Corporation** Philip Lawrence
Project: Best Management Practices in Spray Booth Cleaning

Intern/Affiliation: **Nicole Chardoul** Civil & Environmental Engineering / UM
Faculty Mentor: Dr. John Roberts Birge, Professor & Chair, Industrial and Operations Engineering, UM

Year/Sponsor/Mentor: **1995 AAMA** Donald Edmunds
Project: Best Management Practices in Spray Booth Cleaning

Intern/Affiliation: **Scott Grasman** Industrial Engineering/ UM
Faculty Mentor: Dr. John Roberts Birge, Professor & Chair, Industrial and Operations Engineering

Year/Sponsor/Mentor: **1995 General Motors Corporation** Sandra Brewer
Project: Best Management Practices in Spray Booth Cleaning

Intern/Affiliation: **Colleen West** Chemical Engineering/ UM
Faculty Mentor: Dr. Susan Montgomery, Assistant Professor, Chemical Engineering, University of Michigan



Center for Sustainable Systems

Year/Sponsor/Mentor:	1994 Guardian Industries	Michael Turnbull
Project:	Guardian Industries' Audit Software	
Intern/Affiliation:	Carl Ferguson	CEMP / UM
Faculty Mentor:	Dr. Stuart Hart, Director, Corporate Environmental Management Program, UM	
Year/Sponsor/Mentor:	1994 General Motors Corporation	Sandra Brewer
Project:	Auto Body Solvent Wipe Process	
Intern/Affiliation:	Christine Bogaerts	Chemical Engineering/ UM
Faculty Mentor:	Dr. Gregory A. Keoleian, Research Director, National Pollution Prevention Center	
Year/Sponsor/Mentor:	1994 General Motors Corporation	Sandra Brewer
Project:	Auto Body Solvent Wipe Process	
Intern/Affiliation:	Jason Ferns	Chemical Engineering/ UM
Faculty Mentor:	Dr. Susan Montgomery, Assistant Professor, Chemical Engineering, University of Michigan	
Year/Sponsor/Mentor:	1994 3M Corporation	Thomas Zosel
Project:	3M: Waste Minimization	
Intern/Affiliation:	Tricia Ferrell	Chemical Engineering, Washington University
Faculty Mentor:	Dr. William Lanen, Associate Professor, Dept. of Accounting, University of Michigan	
Year/Sponsor/Mentor:	1994 Optical Imaging Systems	Rex Tapp
Project:	Optical Imaging Systems: Pollution Prevention Opportunities in Flat-Panel Display Industry	
Intern/Affiliation:	Jonathan Koch	CEMP / UM
Faculty Mentor:	Dr. G. A. Keoleian, Research Director, National Pollution Prevention Center	
Year/Sponsor/Mentor:	1994 Ford Motor Company	Philip Lawrence
Project:	Auto Body Solvent Wipe Process	
Intern/Affiliation:	Michael Valentine	Chemical Engineering/ UM
Faculty Mentor:	Dr. Susan Montgomery, Assistant Professor, Chemical Engineering, University of Michigan	
Year/Sponsor/Mentor:	1994 Chrysler Corporation	Linda Plate
Project:	Auto Body Solvent Wipe Process	
Intern/Affiliation:	Becky Vaner Eyk	Chemical Engineering/ UM
Faculty Mentor:	Dr. Susan Montgomery, Assistant Professor, Chemical Engineering, University of Michigan	
Year/Sponsor/Mentor:	1993 U.S. Env. Protection Agency	David Kling
Project:	EPA's Comprehensive Pollution Prevention Orientation Slide Show	
Intern/Affiliation:	Holly Evans	Natural Resources & Environment/ UM
Faculty Mentor:	Dr. Jonathan Bulkley, Professor; Director, National Pollution Prevention Center Dept. of Civil & Environmental Engineering, University of Michigan	
Year/Sponsor/Mentor:	1993 Ford Motor Company	Philip Lawrence
Project:	Determining Mass Balances in Ford-Wixom's Phosphate Coating System. *Multi-Media CD-ROM	
Intern/Affiliation:	Lori Barnard	Chemical Engineering/ UM
Faculty Mentor:	Dr. Susan Montgomery, Assistant Professor, Chemical Engineering, University of Michigan	
Year/Sponsor/Mentor:	1993 Steelcase, Inc.	David Rinard
Project:	Waste Minimization Audit Guide	
Intern/Affiliation:	James E. Hensley	Industrial Eng/Grand Valley State University
Faculty Mentor:	Ms. Janet Vail, Water Resources Institute	
	1993 US Environ. Protection Agency	David Kling

Year/Sponsor/Mentor: EPA's Comprehensive Pollution Prevention Orientation Slide Show
Project:
Intern/Affiliation: **Krista Johnsen Leuteritz** Natural Resources & Environment/ UM
Faculty Mentor: Dr. Jonathan Bulkley, Professor; Director, National Pollution Prevention Center
Dept. of Civil & Environmental Engineering, University of Michigan

Year/Sponsor/Mentor: **1993 National Center for Manufacturing Sciences** Clare Vinton
Project: Achieving Environmental Excellence
Intern/Affiliation: **Robert G. Landers** Mechanical Engineering/ UM
Faculty Mentor: Dr. John Ettl, Associate Professor, Dept. of Operations Management, University of Michigan

Year/Sponsor/Mentor: **1992 Ford Motor Company** Philip Lawrence
Project: Total Quality Management: Pollution Prevention as Continuous Improvement at Ford Motor Company
Intern/Affiliation: **Leith Harmon** Industrial & Operations Engineering / UM
Faculty Mentor: Dr. Stephen Pollock, Professor, Industrial & Operations Engineering, University of Michigan

Year/Sponsor/Mentor: **1992 Ford Motor Company** Philip Lawrence
Project: Degreaser Replacement at Ford Motor Company's Climate Control Division
Intern/Affiliation: **Adam Larky** Civil & Environmental Engineering / UM
Faculty Mentor: Dr. Jonathan Bulkley, Professor; Director, National Pollution Prevention Center
Dept. of Civil & Environmental Engineering, University of Michigan