

Anna Grace White

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1205 Beale Avenue | Ann Arbor, MI 48105

EDUCATION

University of Michigan , Ann Arbor, MI	Expected May 2022
PhD Pre-Candidate, Industrial and Operations Engineering Advisor: Seth Guikema, PhD <i>Rackham Merit Fellow</i> , <i>Science Technology & Public Policy Certificate Program Member</i> , <i>Michigan Institute for Computational Discovery and Engineering Fellow</i>	
Clemson University , Clemson, SC	May 2017
Bachelor of Science, Industrial Engineering, Minor in Spanish <i>Calhoun Honors College</i> , <i>President's List (all semesters)</i> , <i>Dixon Global Policy Scholar</i>	GPA: 4.0/4.0
Universitat Autònoma de Barcelona , Barcelona, Spain	June 2013
Semester Study Abroad	

ONGOING RESEARCH

Persistent Patterns of Discriminatory Housing Policy and Inequity: A Spatial Analysis	Summer 2017 – Present
▪ Seeking a deeper understanding of the health, income, and educational outcomes in neighborhoods of historical discriminatory policy illustrated by redlining	

UNDERGRADUATE RESEARCH

Sustainable Fleet Electrification – Honors Thesis	Fall 2016 – Spring 2017
▪ Presented by A. Farthing at INFORMS 2016 ▪ Developed an optimization model for campus planners to determine optimal running/charging schedule, fleet size and number of charging stations for an electric bus fleet	
Supplier Development and Yield Improvement Strategies	Fall 2016
▪ Collaborated with a professor to analyze methodology for manufacturer investment decision-making in suppliers to improve incoming quality ▪ Case-studied volatile yields in recycled plastics manufacturing	
Linear Programming in AMPL Software	Spring 2016
▪ Investigated and developed linear programming models using AMPL with transportation applications	

SKILLS

Language: Spanish (6 years) – Reading, Writing, Comprehension: *Proficient*, Speaking: *Intermediate*

Computer:	R – <i>Proficient</i>	LaTeX – <i>Proficient</i>
	VBA – <i>Intermediate</i>	Solidworks Mechanical Design – <i>Associate (Certified)</i>
	Python – <i>Basic</i>	Wolfram Mathematica – <i>Basic</i>
	ArcGIS – <i>Proficient</i>	AutoCAD – <i>Proficient</i>
	AMPL – <i>Proficient</i>	Microsoft Office – <i>Proficient</i>
	Gurobi Solver – <i>Basic</i>	Minitab Statistical Software <i>Intermediate</i>
	MATLAB – <i>Intermediate</i>	SAP – <i>Proficient</i>
	CPLEX Solver – <i>Basic</i>	Arena Simulation Software – <i>Intermediate</i>

AFFILIATIONS

Institute for Operations Research and Management Sciences (INFORMS)
Outreach Committee Chair

January 2018 - Present

EMPLOYMENT

Draexlmaier Automotive of America, Duncan, SC
Corporate Logistics Co-op

May 2016 – August 2016

- Worked as a Material Flow Planner to update 40 bay Marketplace and 10 Tugger routes in preparation for building expansion for new carline launch
- Facilitated Kaizen event among four departments to clarify and improve machine leasing protocol
- Verified, maintained, and created a total of four logistics databases to ensure all planning information was correct in systems and matched information available in plant

Seneca High School, Seneca, SC
TigersTeach Intern

August 2015 – December 2015

- Assisted instruction in three Algebra I sections and one Pre-Calculus section
- Explored teaching methods and teaching career on a weekly basis with a collaborating teacher

BorgWarner Turbo Systems, Asheville, NC
Supplier Quality Co-op

May 2015 – August 2015

- Verified incoming prototype materials were to specification by reviewing supplier submissions; resolved missing and deficient submissions concerns
- Provided launch support on new customer program through packaging verification and leveling verifications; manufacturing readiness preparation
- Became skilled with new computer systems (SAP, eQLR, EMS)
- Developed instructions for new receiving inspection plan parameters and uploading data into SAP
- Performed studies and analyzed data on product characteristics
- Conducted containment activities on quality issues
- Participated in supplier visits and audits to develop an understanding of manufacturing and quality processes

Biltmore Estate Winery, Asheville, NC
Tasting Room Hostess and Server

June 2014 – January 2015 (seasonal)

- Managed tasting room of high-volume winery by efficiently moving guests through the line

UNDERGRADUATE INVOLVEMENT

Club Gymnastics

Fall 2015 – Fall 2016

Dixon Global Policy Scholar

Spring 2014 – Spring 2017

- Studied European identity and policy-making as one of 12 selected students in a 12-day study abroad program through Belgium, Luxembourg, France, Germany, and Switzerland
- Continued policy studies through two 3-hour seminar courses and bi-weekly peer discussion groups, culminating in a policy proposal document for a topic of our choosing

Clemson University Student Government: Sustainability Committee
Sustainable Education Programs Chair

Fall 2013 – Spring 2017

- Led subcommittee to plan and carry out education events with local elementary and high schools
- Organized and supported initiatives like Earth Day, Sustainability Week, Student Sustainability Initiative, “Zero-waste” events, and education programs on campus
- Promoted sustainable organizations and events on campus and in the community

Women’s Rowing Team

Fall 2013 – Spring 2014

- Balanced academics and six days of strenuous training per week
- Competed in all home regattas