**Anna Grace White**

University of Michigan Industrial and Operations Engineering | 1205 Beale Avenue | Ann Arbor, MI 48105

[agracew@umich.edu](mailto:agracew@umich.edu)

**EDUCATION**

Expected May 2022

May 2017

*GPA: 4.0/4.0*

Spring 2015

**University of Michigan,** Ann Arbor, MI

PhD Pre-Candidate, Industrial and Operations Engineering

*Rackham Merit Fellow, Science Technology & Public Policy Certificate Program Member*

*Michigan Institute for Computational Discovery and Engineering Fellow*

**Clemson University,** Clemson, SC

Bachelor of Science, Industrial Engineering, Minor in Spanish

*Calhoun Honors College, President’s List, Dixon Global Policy Scholar*

**Universitat Autonoma de Barcelona,** Barcelona, Spain

Semester Study Abroad

**RESEARCH EXPERIENCE**

Fall 2016 – Spring 2017

Fall 2016

Spring 2016

**Sustainable Fleet Electrification: Undergraduate Honors Thesis**

* Developed an optimization model for campus planners to transition to electric vehicle bus fleets; model creates optimal charging/running schedule, determines fleet size and number of charging stations required

**Supplier Development and Yield Improvement Strategies**

* Collaborated with a professor to analyze decision-making for manufacturer investment in suppliers; Case-studied volatile yields in recycled plastics manufacturing

**Linear Programming in AMPL Software**

* Investigated and developed linear programming models using AMPL

**UNDERGRADUATE INVOLVEMENT**

May 2014 – Present

Fall 2013 – Present

Fall 2013 – Spring 2014

**Dixon Global Policy Scholar**

* Studied policy-making and the role of government as one of 12 selected students in a 12 day study abroad program through 5 European countries, followed by 2 courses at Clemson and a mock-policy proposal document

**Clemson University Student Government: Sustainable Education Programs Chair**

* 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

**Women’s Rowing Team**

* Balanced academics and 6 days of strenuous training per week; competed in all home regattas

**EMPLOYMENT**

May 2016 – August 2016

August 2015 – December 2015

May 2015 – August 2015

**Draexlmaier Automotive of America,** Duncan, SC

*Corporate Logistics Co-op*

* Worked as a Material Flow Planner to update 40 bay Marketplace and 10 Tugger routes
* Facilitated Kaizen event among 4 departments to clarify and improve machine leasing protocol
* Verified, maintained, and created a total of 4 logistics databases to verify facility-wide logistics data

**TigersTeach Internship,** Seneca, SC

*TigersTeach Intern: Seneca High School*

* Assisted instruction in three Algebra I sections and one Pre-Calculus section to explore teaching strategies

**BorgWarner Turbo Systems,** Asheville, NC

*Supplier Quality Co-op*

* Performed studies and analyzed data on product characteristics; Conducted containment activities
* Learned and became skilled with new computer systems (SAP, eQLR, EMS); developed instructions for systems
* Participated in supplier visits and audits to develop an understanding of manufacturing and quality processes

**SKILLS**

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

**Computer:** LaTeXR MATLAB AMPL Python VBAGurobi Solver

Arena Simulation Software Wolfram Mathematica CPLEX Solver SAP

Minitab Statistical Software Microsoft Office AutoCAD Solidworks Mechanical Design