

Anna Grace WHITE

PERSONAL DATA

EMAIL: agracew@umich.edu
ADDRESS: 1205 Beale Avenue, Ann Arbor, MI 48105
WEBSITE: agracew.github.io

EDUCATION

MAY 2022 **University of Michigan**, Ann Arbor, Michigan
(Expected) PhD Pre-Candidate in INDUSTRIAL AND OPERATIONS ENGINEERING
Advisor: Seth Guikema, PhD
Science, Technology, & Public Policy Certificate Program
GPA: 4.04/4.00

MAY 2017 **Clemson University**, Clemson, South Carolina
Bachelor of Science in INDUSTRIAL ENGINEERING
Calhoun Honors College
Minor in Modern Languages: Spanish
GPA: 4.00/4.00

SPRING 2015 **Universitat Autònoma de Barcelona**, Barcelona, Spain
Semester Study Abroad

ONGOING RESEARCH

Persistent Patterns of Discriminatory Housing Policy and Inequity: A Spatial Analysis
Using spatial and statistical tools to uncover a more comprehensive understanding of the relationship between historical discriminatory housing policy (redlining) and current day quality-of-life indicators.

SELECTED AWARDS

2018 National Defense Science and Engineering Graduate Fellowship Finalist
2017 Rackham Merit Fellow
2017 Michigan Institute for Computational Discovery and Engineering Fellow
2013 Dixon Global Policy Scholar

AFFILIATIONS: CURRENT

JAN 2018 - **Institute for Operations Research and Management Sciences (INFORMS)**
Outreach Committee Co-chair, University of Michigan Chapter (Appointed)

FEB 2018 - **University of Michigan Central Student Government**
Rackham Graduate School Representative (Elected)

INDUSTRY EXPERIENCE

- SUMMER 2016 | **Draexlmaier Automotive of America, Duncan, South Carolina**
Corporate Logistics Intern
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.
- SUMMER 2015 | **BorgWarner Turbo Systems, Asheville, North Carolina**
Supplier Quality Intern
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) and developed instructions for their use.
Participated in supplier visits and audits to develop an understanding of manufacturing and quality processes.
- SUMMER 2014 | **Biltmore Estate Winery, Asheville, North Carolina**
Tasting room wine server

TEACHING EXPERIENCE

- FALL 2015 | **Seneca High School, Seneca, South Carolina**
TigersTeach Intern
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.

CONFERENCE PRESENTATIONS

- MAY 2018 | White, A. G., Guikema, S., Logan, T. "Persistent patterns of discriminatory housing policy and inequity: a spatial analysis" *International Conference on Transport and Health 2018*, Mackinac Island, Michigan.
- FEB. 2018 | White, A. G., Guikema, S., Logan, T. "Persistent patterns of discriminatory housing policy and inequity: a spatial analysis" *Michigan University-Wide Sustainability and Environment (MUSE) Annual Conference*, Ann Arbor, Michigan.
- NOV. 2016 | Farthing, A., Harris, N., Riggs, R., Mason, S., White, A. G. "Cost minimization and fleet sizing for multifunction electric bus fleets" *INFORMS Annual Conference*, Nashville, Tennessee.

SKILLS

- PROFICIENT: R, VBA, ArcGIS, AMPL, LaTeX, AutoCAD, Solidworks Mechanical Design, Microsoft Office
- INTERMEDIATE: MATLAB, Arena Simulation Software, SAP

BASIC: Python, Wolfram Mathematica, CPLEX Solver, Gurobi Solver,
Minitab Statistical Software

PROFESSIONAL SERVICE

REVIEWER: *Journal of Risk Analysis*

LANGUAGES

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

AFFILIATIONS: UNDERGRADUATE

SPRING 2014 – SPRING 2017	Dixon Global Policy Scholar 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 courses and bi-weekly peer discussion groups, culminating in a policy proposal document for a topic of our choosing.
FALL 2013 – SPRING 2017	Clemson University Student Government: Sustainability Committee <i>Sustainable Education Programs Chair</i> Led subcommittee to plan and carry out sustainability 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.
FALL 2013 – SPRING 2014	Clemson University Women’s Rowing Team Balanced academics and six days of strenuous training per week. Competed in all home regattas.