# JULIAN FLOREZ

10374 Beach Crest Drive NE Bainbridge Island, WA · (206) 755 0658
Email: **jflorez@umich.edu**· LinkedIn: **jflorez** · Web: **jflorez.github.io/personalWebsite**

## EDUCATION

**Expected Graduation 2023, GPA: 3.85**
**B.S.E Industrial Operations Engineering** UNIVERSITY OF MICHIGAN
Minor: Complex Systems, Emphasis: Sustainability, energy, and optimization
Software Languages: C++, Python, Java, R, Tableau, Typescript

## WORK EXPERIENCE

**5/1/2022 – CURRENT**
**Visiting Scholar,** *KAUST, Saudi Arabia*
Optimization on future islanded green hydrogen/ammonia supply chains with relevance to the Kingdom of Saudi Arabia (publication in development)

**1/1/2022 – CURRENT**
**Researcher,** INNOVATION FOR IMPACT: CLIMATE CHANGE*, Ann Arbor*
Collaboration with startup investigating geothermal energy's role in a decarbonized future with course material on the current carbon capture technological and financial landscape

**9/1/2021 – 1/1/2022**
**Analyst Intern,** BOUNDLESS IMPACT RESEARCH & ANALYTICS
Interviewed, ideated, and published a wide range of financial briefs for a sustainability-oriented investment firm

**6/1/2021 – 9/1/2021**
**Undergraduate Complexity Researcher,** SANTA FE INSTITUTE
Self-created a research project with leading academics utilizing Tableau and R on *The Dynamics of Company Waste with Analysis on Environmental Impact Scaling*

**9/1/2019 – 6/1/2021**
**Researcher I & II,** ASSET LAB, UNIVERSITY OF MICHIGAN ANN ARBOR
II: Explored, formulated, and published in iScience a multi-objective optimization analysis of replacing coal plant jobs with renewable energy jobs in the United States
I: Researched variable renewable energy capacity values in a national assessment, synthesized results into a peer-reviewed research paper, and presented work at multiple conferences

**6/1/2019 – 9/1/2019**
**Software Engineer Intern,** MICROSOFT, *Redmond*
Worked with software engineers, attorneys, and product managers to create and deploy a widely adopted (300k+ downloads) open-source telemetry package in the Microsoft Office Division

## HONORS & ACCOMPLISHMENTS

- Staff writer in the Michigan Journal of International Affairs (wind energy in Denmark and hydrogen development in Europe) and the Archive history club (importance of childhood toys)
- Merit Scholarships and Honors: Clyde Johnson Industrial Engineering (2022), Boeing Industry (2021), Alumni Club (2019-2023); Dean's List (2019-present), James B. Angell Scholar (2022)