

Fabrizio Casanova

Ithaca, NY | fec24@cornell.edu | (305) 297-9688
<https://www.linkedin.com/in/fabrizio-casanova-> | <https://github.com/fab-casanova>

EDUCATION

Cornell University, College of Engineering
B.S. in Computer Science
GPA: 3.42

Expected May 2023
Ithaca, NY

Relevant Coursework: Cloud Computing, Database Systems, System Security, Computer System Organization, Functional Programming, Computer Vision, Object Oriented Programming and Data Structures

TECHNICAL EXPERIENCE

Microsoft

May 2022 – August 2022

Software Engineering Intern

Redmond, WA

- Implemented new async collaboration features in Word Web that shipped to over 100 million users, using TypeScript, React, and C#
- Worked on all aspects of building and shipping features from scratch, including requirements gathering, partner team alignment, design and architecture, implementation, accessibility, telemetry, and rollout via A/B experimentation
- Conducted user testing by interviewing Microsoft Word users on their usage of Word's most popular features in their workflow

Cornell Autonomous Sailboat Team

October 2021 – May 2022

Navigation Team Lead

Ithaca, NY

- Led a team of engineering students designing electrical and software components of autonomous sailboat
- Led fall recruitment efforts by hosting information sessions, screening applications, and holding interviews

PROJECTS

Buoy Detection Algorithm

January 2022 – May 2022

- Worked collaboratively to write collision avoidance algorithm utilizing OpenCV for autonomous sailboat
- Tested sailing algorithms by building test bench and writing test cases to verify calculations

OCaml Monopoly

February 2021 – May 2021

- Led group of four in implementing Monopoly using functional programming in OCaml with UI
- Implemented full functionality for multiplayer game with actual or artificial players

CAMPUS INVOLVEMENT

Underrepresented Minorities in Computing
Society of Hispanic Professional Engineers

February 2020 – Present
September 2019 – Present

SKILLS, LANGUAGES, AND INTERESTS

Programs: Python, TypeScript, OCaml, Java, C, MATLAB, R, HTML, React

Languages: English (Native), Spanish (Native), Italian (Elementary)

Interests: Fruit Carving, Hiking, Cross-Country Running, Task Automation, Synthwave and Retro Music