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## Education

**Cornell University, College of Arts & Sciences**  
B.A. in Computer Science  
Minor in Electrical and Computer Engineering

Ithaca, NY  
Expected May 2025  
GPA: 3.63, Dean's List

**Related Courses** (\* = *currently taking*): Operating Systems, Computer Architecture\*, Systems Programming, Data Structures and Functional Programming, Design with Embedded OS, Computer Networks\*

## Technical Skills

- **Languages:** C, C++, Python, Java, Swift, HTML, CSS, JavaScript, OCaml
- **Tools:** Linux, Git, GitHub, CMake, Docker, Xcode, VS Code, Arduino
- **Libraries:** Cocoa, SwiftUI, Matplotlib, pandas, NumPy

## Work Experience

### CommScope

Software Engineer Intern

Lowell, MA  
May 2023 - Present

- Writing and automating tests for end-to-end 4G LTE and 5G radio software
- Performing overhauls of laboratory system architecture

### Cornell Computing & Information Science

Teaching Assistant

Ithaca, NY  
Aug 2022 - Present

- TA for CS 4410: Operating Systems (Fall 2023)
- TA for CS 3410: Computer System Organization and Programming (Fall 2022)
- Consultant for CS 2110: Object-Oriented Programming and Data Structures (Spring 2023)
- Teach students in a weekly lab session, hold office hours, grade projects and preliminary exams

## Team Experience

### Cornell Rocketry Team

Embedded Software Engineer

Ithaca, NY  
Oct 2021 - Present

- Building embedded software for flight control and payload deployment for high-powered rockets
- Designing and writing flight software in C++ for the RP2040 microcontroller to interface with sensors and radio
- Finished 2nd overall out of 183 university teams in the international Spaceport America Cup competition

### Alpha CubeSat

Flight Software Engineer

Ithaca, NY  
July 2023 - Present

- Writing and testing flight software for a 1U CubeSat designed to verify the performance of an experimental light sail

### Cislunar Explorers CubeSat

Flight Software Lead

Ithaca, NY  
Feb 2022 - May 2023

- Led a team of 5 students developing flight software for the Cislunar Explorers CubeSat mission, which aimed to test water-electrolysis propulsion and optical navigation in space
- Wrote and designed software to control propulsion system, water electrolysis, attitude control, and telemetry downlink
- Designed software to interface with robust mission simulation system to validate correctness ahead of launch

## Selected Project Experience

### Big Red Dining

Independent Project in Swift

Dec 2022 - Present  
[GitHub](#)

- Designed and programmed a macOS menu bar app in Swift to display Cornell dining hall menus and hours
- Interface with the public Cornell Dining API to provide always up-to-date dining information
- Utilize third-party libraries such as the Sparkle auto-update framework and LaunchAtLogin