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## EDUCATION

### University of Washington

Bachelor of Science in Computer Science

Expected Graduation: June 2024

GPA: 3.94

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#### CSE Coursework:

Computer Programming I &amp; II

Software Design &amp; Implementation

Hardware/Software Interface

Foundations of Computing I

Foundations of Computing II (Fall 2021)

Data Structures &amp; Parallelism (Fall 2021)

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## WORK EXPERIENCE

### Google

June 2021 – September 2021

STEP Intern

Remote

- Enhanced user experience for data organization by integrating column configuration into a public-facing table element.
- Designed complex algorithms to mutate column data incorporating Closure Templates, TypeScript, and Protocol Buffers.
- Delivered features exceeding project goals, implementing drag and drop reordering adhering to accessibility specifications.
- Demonstrated quality developer work through design, implementation, testing, code review, presentation, and deployment.

### Paul G. Allen School of Computer Science & Engineering

January 2021 – June 2021

CSE 14x Undergraduate Teaching Assistant

Seattle, WA

- Fostered computer science education for 100+ students by leading discussion classes and holding individualized office hours.
- Overcame challenges of remote learning, interactively teaching Java programming by leveraging Zoom conferencing tools.

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## PROJECTS

### Campus Paths

*Java, TypeScript, React, Node.js*

- Displays the most optimal paths between requested locations at the University of Washington via a full-stack application.
- Outperformed project specifications by incorporating GPS functionality to enable pathfinding from any physical location.
- Implemented a Java directed graph, Dijkstra's algorithm, REST API endpoints, and TypeScript React user interface.

### FaceMe

*Python, OpenCV, Google Cloud API*

- Enhances audio-visual accessibility in video calls to help elderly relatives stay connected with family during the pandemic.
- Implemented on-screen visual cues responding to real-time camera input using OpenCV and Google Cloud Vision.
- Delivered project and presentation at DubHacks 2020, winning Best Use of Google Cloud API and Best First-Time Hack.

### TelloMapper

*Android, Java, Go*

- Allows DJI Tello users to read and write custom autonomous flight paths in an interactive mobile Android user interface.
- Showcased remote control flight, surmounting the challenge of binding Java and Go to communicate with the drone's API.

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## ACTIVITIES

### Advanced Robotics at the University of Washington

January 2021 – Present

Controls Team Member

Seattle, WA

- Contributing control systems code for the University of Washington's 50-member RoboMaster University League team.

### MIT Lincoln Laboratory

July 2018 – August 2018

Beaver Works Summer Institute—UAV-SAR Team Member

Cambridge, MA

- Built a radar control user interface in Python and a drone for an unmanned aerial vehicle/synthetic aperture radar system.

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## AWARDS

### Best Use of Google Cloud API & Best First-Time Hack

October 2020

DubHacks

### First Prize

June 2021

RoboMaster University League North America