Gabriel Guo

gabeguo1@uw.edu • linkedin.com/in/gabriel-guo/ • github.com/letsguo

EDUCATION

University of Washington, Seattle   **Expected: June 2025**

B.S. Computer Science (Data Science Option), Entrepreneurship Minor   *Current GPA: 3.57*

- Director of Outreach of Lavin Entrepreneurship Program, Student in Creative Destruction Lab
- Chi Psi Fraternity: Vice President
- **Relevant Coursework:** Data Structures and Parallelism, Machine Learning, Databases, Software Design and Implementation, Systems Programming, Computer Security

Camas High School (Salutatorian)   **2017 - 2021**

- FIRST Robotics: 2020 Dean's List Semi-Finalist; 2019 World Championship Division Semi-Finalist

SKILLS

Languages/Frameworks: Python, Java, PyTorch, C, C++, Numpy, React, Kotlin, TypeScript, Android Studio

EXPERIENCE

Software Engineer Intern - Productive Edge   **Jun 2023 - Pres**

- Collaborating with a team of five interns on a generative AI project for healthcare initiatives

CSE 12x TA - University of Washington Seattle   **Jan 2023 - Pres**

- Teach two weekly classes of 20+ students design and implementation of data structures and object-oriented programming
- Develop teaching plan, grade assignments and exams, and host office hours

Software Engineer Intern - ThinkTime   **Jul - Aug 2022**

- Researched, transformed, and managed ThinkTime Restful API documentation in Swagger

MIT PiPACT Covid-19 Contact Tracing Independent Research   **Jun - Jul 2020**

- Built Raspberry Pi Bluetooth signal collection platform to research feasibility of COVID-19 contact tracing
- Wrote [research paper](#) on how the human body affects RSSI (Received Signal Strength Indicator)

Portland State University Virtual Reality (VR) Internship   **Jun - Aug 2020**

- Evaluated and improved fundamental VR course materials on Unity for Dr. Ehsan Aryafar
- Created interactive [VR game](#) in Unity where users shoot at targets

PROJECTS

CIFAR-10 Image Classification   **May 2023**

- Developed and implemented a machine learning model for CIFAR-10 image classification, achieving a validation accuracy of over 65%
- Utilized convolutional neural networks (CNNs) and hyperparameter tuning to enhance model accuracy and performance

Get To Class Faster - University of Washington Campus   **Feb - Mar 2022**

- Built a full-stack web application that allows students to find the shortest walking path between two buildings on campus using React, TypeScript, HTML, CSS
- Implemented graph data structure and Dijkstra's algorithm in Spark Java Framework

ACTIVITIES

UW 2023 Startup Studio Competition - Director   **Jan 2023 - Pres**

- Organized UW's largest student-run startup competition involving 50 undergrads, seven speakers, and five sponsors
- Managed a team of six in marketing, contacted judges and speakers, and ran the logistics of the competition