

Gabriel Guo

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EDUCATION

University of Washington, Seattle

Expected: December 2024

B.S. Computer Science, Entrepreneurship Minor

Current GPA: 3.46

- Director of Outreach of Lavin Entrepreneurship Program, Student in Creative Destruction Lab
- Chi Psi Fraternity: Vice President
- **Relevant Coursework:** Data Structures and Algorithms, Software Design and Implementation, Hardware and Software Interface, Foundations of Computing 1, Computer Programming 1 & 2

Camas High School (Salutatorian)

2017 - 2021

- FIRST Robotics: 2020 Dean's List Semi-Finalist; 2019 World Championship Division Semi-Finalist
- Football: 2020 Varsity Co-Captain; 2019 4A State Champion

SKILLS

Languages/Frameworks: Java, Python, PyTorch, fast.ai, Gradio, Kotlin, TypeScript, Unity, Android Studio

PROJECTS

Husky Or Not - Deep Learning

Aug - Sep 2022

- Trained [deep learning model](#) using PyTorch and fast.ai libraries that classifies images of different college football team photos
- Completing 2022 fast.ai Practical Deep Learning Course

Get To Class Faster - University of Washington Campus

Feb - Mar 2022

- Built 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

EXPERIENCE

Software Development Internship - ThinkTime

Jul - Aug 2022

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

MIT PiPACT Covid-19 Contact Tracing Independent Research

Jan - 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

ACTIVITIES

Husky Hackathon Competition - 1st Place

May 2022

- Won entrepreneurship competition against 11 teams of 5
- Ideated, wireframed a prototype, and pitched a cleantech solution in logistics to six judges

Startup Studio UW - Startup Boot Camp

Jan 2022 - Apr 2022

- Led logistics of Startup Studio competition: a startup boot camp where UW students turn ideas into pitches
- Events organized included guest speaker workshops and final pitch competition.

FIRST Robotics - President, Drive Team Captain, Programmer, Web Developer

Sept 2017 - Jun 2021

- Programmed competition robots using Kotlin
- Led team in ideation process, business analysis, and pitch to win 2021 PNW Global Innovation Challenge.
- Created and designed website using WordPress. <http://team2471.org>
- Led Robotics club to produce and deliver over 22K pieces of PPE to near 100 non-profit facilities