

# William Siau

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## EDUCATION

### UNIVERSITY OF WASHINGTON

Graduation Date: 2023 | Seattle WA  
Coursework in Data Science, Algorithms and Data Structures, Web Development  
Honor's: Dean's List 2019-2020

### INGLEMOOR HIGH SCHOOL

Grad. June 2019 | Kenmore WA  
Member of TSA (Technology Student Association)

- Competed in national conference consisting of over 100 participants for my coding abilities
- Earned 2nd and 3rd in the state competition in the coding event

## SKILLS

### PROGRAMMING

Proficient in:

Java • C • Python • JavaScript • C#  
HTML5 • C++ • PHP • CSS

Professional:

Project Development • Linux • Android  
Git • Node.js • Data Science •  $\LaTeX$   
Server Management • Pandas • React JS  
Leadership • Resourcefulness • Initiative

## WORK EXPERIENCE

### COMPUTING KIDS

Instructor & Curriculum Developer  
Sep 2019 – Present | Seattle WA

- Taught medium to large groups of students computer science principles, including robotics, data science, and game development
- Foster Computer Science enthusiasm, encourage those of underrepresented backgrounds to pursue programming
- Developed curriculum in subjects such as Python and Data Science.

### INGLEMOOR HIGH SCHOOL

Robotics Club Vice President

June 2017 – June 2019 | Kenmore WA

- Led & Instructed team in the programming of the robot in Java for the annual FRC competition
- Assisted in the management and running of the club's services & scheduling of meetings
- Tasked with finding, interviewing, and training new officers for the club after graduation

## ACCOLADES & ACHIEVEMENTS

2019	1st	Seattle VR/AR Hackathon (Created a Game on the Magic Leap AR Headset)
2019	3rd	Technology Student Association State Conference (Coding & Software Development)
2018	2nd	Technology Student Association State Conference (Coding)
2017	2nd	Seattle CodeDay (Created a Tower Defense)
2016	2nd	Seattle Developers' Hackathon (Created a Keylogger application)

## PROJECTS

### DISCORD BOT PROGRAMMING INTERPRETER

Summer 2020 | Seattle WA, Hack'20 Hackathon

- Created a discord bot to run and evaluate the complexity of code a user supplies, built in Python. Works for Python and Java
- Worked with Amazon AWS & Google Cloud, developed space and time complexity evaluations, work with Discord's Python Library

### SOCIAL MEDIA PLATFORM

Winter 2019 | Kenmore WA

- Created a social media platform targeted for competitive speed cubers, using PassportJS, PHP databases, ReactJS
- Work with back end server development, database management using PHPMyAdmin

### ONLINE GRID BASED TACTICAL GAME

Summer 2019 | Kenmore WA

- Created an online tactical strategy game built in Unity, utilizing Unity's UNET for online activity
- Implemented online networking, A\* path finding algorithm for unit movement

### AR, GESTURE BASED GAME

Summer 2018 | Seattle WA, VR/AR Hackathon

- Developed an augmented reality video game on the Magic Leap AR headset
- Implemented planar object recognition, Magic Leap API, Gesture recognition and classification. Won first place for this project