



# William Kwok

Student at University of Washington



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kwokwilliam



## EXPERIENCE

Undergraduate Researcher  
June 2018 - Present

Hardware/Software Lead Engineer  
Web Development Lead  
February 2017 - Present

Undergraduate Researcher  
January 2018 - June 2018

Teacher Aide  
June 2015 - July 2015



### Code and Cognition Lab – Seattle, WA

- Use ReactJS to design and build research tools for computing education
- Gather and analyze data



### Washington iGEM – Seattle, WA

- Design a project that solves a problem in the field of synthetic biology
- Dedicate up to 40 hours per week ensuring project is elegant and functional
- Developed an autonomous culture regulation system for a liquid culture
- Traveled to Boston representing UW in the international competition in November 2017



### Biomedical Image Computing Group – Seattle, WA

- Statistical/data analysis of MRI scans using Python, R, and C++
- Process MRI scans using in house software libraries
- Create neural network models in TinyCNN, MXNet, and Tensorflow



### Punahou School – Honolulu, HI

- Organized paperwork and supplies
- Soldered underwater ROV controllers
- Helped students build PVC ROVs



## EDUCATION

Bachelor of Science in Informatics  
2016 - 2020

High School Diploma  
2009 - 2016



### University of Washington – Seattle, WA

- GPA: 3.66/4.0
- Tracks: Data Science, Human-Computer Interaction, Information Architecture



### Punahou School – Honolulu, HI

- GPA: 3.71/4.0
- Team Captain of Punahou FRC Robotics
- Team Captain of Punahou VEX Robotics
- National Honor Society Member



## SKILLS



### General

- Linux, git, NodeJS, data analysis, information architecture, Agile



### Front End Development

- HTML, CSS, JavaScript, ReactJS



### Data Analysis and Visualization

- R, R Shiny, MATLAB, D3JS



### Other Languages

- C++, Python, Java

## RELEVANT COURSES

Beginning Scientific Computing  
AMATH 301

Calculus with Analytic Geometry  
AP Credit, MATH 126

Intro CS, Data Structures and Algorithms  
AP Credit, CSE 143, CSE 373

Foundations of Data Science  
INFO 200, 201

Statistical Methods in Engineering and Science  
MATH 390

Introduction to Differential Equations  
MATH 307

Matrix Algebra and Applications  
MATH 308

Client Side Development  
INFO 343