




PHILLIP WU LIANG

 github.com/wulianp  [linkedin.com/in/phillip-wu-liang](https://www.linkedin.com/in/phillip-wu-liang)  wulianp.github.io/portfolio_v2

 Seattle, Washington  7182107972  phillipwu.56@gmail.com

EDUCATION

Western Washington University

Sept 2015 - Sept 2019

Bachelor of Science in Computer Science

Relevant Coursework: Formal Languages and Functional Programming, Analysis of Algorithms, Data Structures, Object-Oriented Design, Database Systems, Computer Networks

SKILLS

Proficient:

Java , Python , SQL

Other Technologies:

Node.js, HTML, .Net CSS, React, AWS(DynamoDB,Cognito,IAM S3), Spring Framework, Django, Git, Firebase, Linux

WORK EXPERIENCE

HCI Research Lab, Western Washington University

Sept 2018- Present

Research Assistant

- Developed and hosted a model capable of identifying high stress episodes of college students with autism in near real-time.API built using the Spring Framework.
- Implemented data pipeline with Python to fetch and process 3 million data points from database making process 2x faster.
- Mentored interns and contributed to wiki to improve training for new Research Assistants.

PROJECTS

BlueLight- Java, C#

- Developed application as a replacement to university emergency phones using Android app with instant alarming that communicates with C# WPF Framework displaying users personal information and real time location on desktop dispatcher.

Tutoring Queue- PHP, HTML, CSS, grid.js

- Developed a web application to use tutoring queue algorithm with loggable admin and client users that can be generalized to work with any tutoring system and provides analytic in real time. Currently used by Computer Science Department mentors program.

Smoking Cessation Visualization- Python , Node.js , D3.js,

- Developed a web-based application that visualizes user reported stress and activity metrics derived from wearable sensors to facilitate health researchers understand behavior patterns of smokers in the field.

Minishell- C

- Developed a fully functional Unix-based shell that supports piping, wildcards, command substitution, and statements.

ACTIVITIES

Mentor

January 2019 - June 2019

WWU Association for Computing Machinery

- Worked with students weekly to debug code and explain technical concepts in C and Java.

Communication Chair

January 2018 - June 2019

WWU Artificial Intelligence Association

- Publicized club activities through email, social media and the club website.

AWARDS

- Awarded First Place at University Hackathon for Tutoring Queue website
- Awarded Third Place at University Hackathon for BlueLight