Anthony Chung

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EDUCATION

UNIVERSITY OF WASHINGTON

BS in Computer Science
Minor in Education
2019 - Present | Seattle, WA
Paul G. Allen Center for Computer Science & Engineering
GPA: 3.94 / 4.0

COURSEWORK

RELEVANT COURSEWORK

Data Programming
Data Structures & Parallelism
Discrete Mathematics
Hardware and Software Interface
Linear Algebra
Probability & Statistics
Software Design & Implementation
Unix Tools

IN PROGRESS

Algorithms
Artificial Intelligence

PLANNED

Machine Learning
Systems Programming

SKILLS

PROGRAMMING

Java (3 years)
Python (2 years)
Git (1.5 years)
Unix (1.5 years)
JavaScript (4 months)
ReactJS (3 months)
C (3 months)

LANGUAGES

Vietnamese

INTERESTS

Accessible technology
Data visualization
Education
Community outreach
Bubble tea

EXPERIENCE

UNIVERSITY OF WASHINGTON | Teaching Assistant

April 2020 - Present | Seattle, WA

- Serve as a teaching assistant for the CSE 142/143 (Introductory Java Programming) series by leading quiz sections of 15 - 25 students, grading weekly assignments, and attending weekly staff meetings to discuss logistics and potential revisions to the CSE 142/143 curriculum.
- Serve as the lead instructor for ENGR 197 (Linear Algebra workshop) by facilitating discussion amongst 10 - 20 undergraduate engineering students, developing practice problems, and guiding students through exam preparation.

BOEING | Loads and Dynamics Engineering Intern

June 2020 - Sept 2020 | Everett, WA
Mentor: Callie Galgana

- Assembled the web page interface that displays a repository of legacy and current airplane configurations by using Python's Django.
- Remodeled past and current regression tests in Unix by using sed and awk to enhance readability and flexibility of wrapper scripts.

PROJECTS

AN INVESTIGATION INTO ACADEMIC PERFORMANCE ACROSS VARIOUS DEMOGRAPHIC

Spring 2021

- Examined the effects socioeconomic status has on the educational performance of students by intepreting student graduation and exam growth rate from *Washington State's Office of Superintendent of Public Instruction*.
- Evaluated the graduation, dropout, and exam growth rate in low-income students compared to non low-income students by using Python's Altair.

CAMPUS PATHS WEB APPLICATION

Autumn 2020

- Implemented a custom graph data structure and Dijkstra's algorithm to create a React web application that finds the shortest path between two buildings on the University of Washington campus.
- Deployed back-end server and front-end application onto Heroku

MOTHERING DURING JIM CROW: USING THE REPRODUCTIVE JUSTICE FRAMEWORK TO UNDERSTAND BLACK MOTHERHOOD

Spring 2019

- Conducted research on the systemic barriers set forth by Jim Crow laws and the effects it had on the reproductive health of African-American women by extracting transcript data from Harvard University's *Black Women Oral History Project Interviews* into Dedoose, a mixed methods research application.
- Utilized Google's Cloud Vision API and PyTesseract to develop Python scripts which transformed scanned transcripts of interviews into searchable text.