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.