

ARMANT TOUCHE

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EDUCATION

Portland State University

B.S. in Computer Science; Cumulative GPA 3.72

Portland, OR

Jan. 2019 – Dec. 2022 (Expected)

PROJECTS

Teach Safely Website | *Vue.js, Docker, AWS Cloudfront/S3/Lambda, serverless, typescript, and etc.*

- Led my Capstone team in continuing development of a learning and certification management system for wood-shop teachers and students called Teach Safely. System consisted of a Vue.js frontend, a serverless backend (AWS Lambda in Typescript), and a NoSQL database via DynamoDB.
- Used the Agile Software Development methodology to manage the project, including weekly stand-ups, sprints, and deliverable demonstrations carried out by my team of 6 SWE's.

GPU-Crawler | *Python, boto3, json, scrapy, Docker*

- Developed a web crawler application that was tasked every 2-hrs to scrape a website for data and then outputted data into a json file then sent a SMS via Python API which utilizes Amazon Web Services.

EXPERIENCE

Computer Science Tutor

Portland State University

September 2021 – Present

Portland, OR

- Tutored and helped coordinate tutoring for 180 Computer Science Undergraduate students. Coordination included scheduling 9 tutors, arranging and facilitating interviews for hiring motivated students in the Computer Science program.
- Typical problems that students needed help with were syntax errors, algorithmic problems, and achieving a general and meaningful understanding in relation to undergraduate computer science courses.

Peer Mentor

Transportation Research Education Center

June 2021 – September 2021

Portland, OR

- Assisted program directors in facilitating a summer program for high-school aged students which aided in promoting a sense of community and provided guidance to 23 students in navigating the intersection of Transportation and STEM.

Business Data Analyst Intern

C-Tran

November 2019 – March 2020

Vancouver, WA

- Improved the data structure of each data set within our data warehouse by data-type checking and error-checking the range of values. Documented the design before process-mapping the relationship of each incoming data-set for statistical analysis, which enforced better data governance.
- Transformed data sets into a consumable visual-models through Microsoft's application Power BI. The created Key-Performance Indicator (KPI) dashboards were viewed throughout the agency via the intranet application Sharepoint, which aided in making better business decisions.

Technical Support

Free Geek

May 2019 – November 2019

Portland, OR

- Provided help-desk support to local non-profit organizations in the community and individual consumers on warranty equipment. Primarily consisted of workstations and laptops purchased through Free Geek's re-purposed store.
- Troubleshooted and repaired hardware and software on workstations and laptops mainly involving Linux tools. Also provided short tutorials to customers that were aimed at guiding customers to the appropriate solution for their problem.

TECHNICAL SKILLS, COMMUNITY SERVICES, & ORGANIZATIONS

Languages: C/C++ (~4yrs), Python (~4yrs), SQL/NoSQL (Postgres/DynamoDB) (~3yrs/<1yr), HTML5/CSS3 (~3yrs), Javascript (<1yr), Typescript (<1yr), C# (<1yr)

Developer Tools: Git, Github Actions, Docker, VS Code, GNU Make, GNU Coreutils, bash, boto3 (AWS), Linux, jest, Xunit, FakeItEasy

Community Services & Organizations: 144 hrs volunteered at Free Geek, We in Computer Science (WiCS) mentor, OWASP mentee