Michael Tran

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Software Engineering Knowledge and Skills

- Experience working in an Agile Environment in a professional setting.
- Experienced in NoSQL database creation and management.
- Experienced in object-oriented programming; developing, testing and debugging code; designing interfaces.
- Basic experience in web development.

Education

Portland State University, Portland, Oregon
Pursuing Bachelor of Science in Computer Science, Expected Graduation: March 2022

- Academic Honors: President's List (6 quarters), Dean's List (3 quarters)
- CS 441 AI Team Project:
  - *Project Scope:* Worked as part of a three-member team to develop a Sudoku solver utilizing AI algorithms. Tested the viability of using genetic algorithms to solve Sudoku puzzles of various difficulties.
  - *Tools:* C++, Git & GitHub
- CS 465P Full-Stack Team Project:
  - *Project Scope:* Worked as part of a three-member team to develop a restaurant-choosing full-stack application. Analyzed functional requirements, developed code and tested software applications.
  - *Tools:* Visual Studio Code, REACT, JavaScript, Firebase, Yelp API, Git & GitHub
- CS 488P Database MGMT Team Project:
  - *Project Scope:* Worked as part of a four-member team to develop a freeway system database. Performed ETL on the given freeway dataset and implemented aggregation pipeline queries.
  - *Tools:* MongoDB, Visual Studio, C++

Relevant Courses Completed (not including the Capstone prerequisites):

- CS 441 Artificial Intelligence
- CS 465P Full-Stack Web Development
- CS 488P Cloud & Cluster Data MGMT
- CS 486 Intro to Database MGMT System
- CS 311 Computation Structure
- CS 410 Intro to Web Development
- CS 410 Virtual Reality
- STAT 451 APPL STAT/ENGR & SCI I
- ECE 341 Intro. to Computer Hardware
- CS 305 SOC/ETH/LGL IMPLCTNS COMPUTIN

Work Experience

CollegeNet – Portland, Oregon
QA Specialist, June 2021 to Present

- Work with developers to test and trouble-shoot internet-based products and services. Have a role in sprint planning and UI discussions.

Technology Summary

- Intermediate Skill Level: C, C++, Linux
- Basic Skill Level: JavaScript, HTML, CSS, Firebase, MongoDB, Visual Studio Code, JIRA