PHUONG TRAN

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EDUCATION

B.S. Computer Science, University of Washington, Seattle, WA — Jun. 2020

SKILLS

Programming Languages: Java, JavaScript, HTML/CSS, C#, NodeJS, C/C++, MySQL, Neo4j

IDEs: Eclipse, VS Code, IntelliJ IDEA, Postman, SmartGit, GitHub Desktop

OS: MacOS, Linux, Windows

Frameworks: Reactjs, React Native, Redux, ExpressJS, Spark Java, Material-UI, AWS, Serverless, Jest

Other Tools: Bash, Git, Bootstrap, SASS, Socket.IO, HTTP, Nginx, ASP.NET

EXPERIENCE

Software Engineer Intern — Oct. 2019 – Mar.2020

Xemelgo Inc., Seattle, Washington

- Responsible for adding a new feature, Job Tracking, to current software that allows customers get actual labor hours of each work order in any specific location.
- Designed and implemented DynamoDB table and RESTful APIs on AWS using Serverless framework
- Wrote JavaScript unit tests with Jest testing framework.
- Supported building frontend using React Native and simulated it on Android and iOS platforms.

Tutor — Jan.2017 – Jun.2018

Math and Science Tutoring Center, South Seattle College

- Interacted positively and professionally with math tutees.
- Used both technical knowledge and interpersonal skills to communicate ideas and concepts.

PROGRAMMING PROJECTS

Undergraduate Research: Opensidewalks — Jan. 2019 – Dec. 2019

Prof. Anat Caspi, The Taskar Center for Accessible Technology, University of Washington

- Analyzing national city curb data to build a Data Validation Tool.
- Developing backend using NodeJS, ExpressJS, Turf to process GeoJSON files from city public data.
- Building frontend using React JS, third party libraries like leaflet.js and Bing Maps API to create views for editing panes.

Stock Performance — Jan. 2018 – Mar. 2018

- Allowed stock investors to compare different stocks' performance.
- Deployed a lightweight Spark Java web app.
- Populated stock data from Quandl financial services API into a MySQL database.
- Charted dynamic stock data with React web front end.
- Organized the code for maintainability and scalability by adopting an Object-oriented design and Model–View–Controller (MVC).

Undergraduate Research: IoT and Wireless Sensor Networks — Jan. 2017 – Mar. 2017

Prof. Reid Charles, South Seattle College

- Implemented Raspberry Pi sensor to profile wifi traffic, and populated a MongoDB database for analysis.
- Concluded that most of routers operated on non-overlapping channel 1, 6, and 11.

EXTRACURRICULAR ACTIVITIES

- Impact++ Club — Oct. 2019 – Jun. 2020
- Seattle Vietnamese Alliance Church — Sep. 2016 – Oct. 2019
- Dubhacks Hackathon — Oct. 2018, Oct. 2019
- Impact Innovation Challenge Hackathon — May 2019