

# PHUONG TRAN

## PERSONAL INFO

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## EDUCATION

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

## TECHNICAL SKILLS

Data Structures ★★☆☆☆  
OOP ★★☆☆☆  
Test/Debugging ★★☆☆☆

### Programming Languages

Java ★★☆☆☆  
JavaScript ★★☆☆☆  
C# ★★☆☆☆  
C/C++ ★★☆☆☆  
HTML/CSS ★★☆☆☆  
SQL ★★☆☆☆

### Frameworks

ReactJS/Redux ★★☆☆☆  
Material-UI ★★☆☆☆  
Spark Java ★★☆☆☆

### Other tools:

Git, Windows, Linux, macOS, AWS,  
Serverless, Jest, ExpressJS, NodeJS,  
Socket.io, HTTP, Nginx, ASP.NET,  
Bash, Eclipse, VS Code, IntelliJ IDEA,  
Postman, SmartGit

## SOFT SKILLS

Problem solving ★★☆☆☆  
Teamwork ★★☆☆☆  
Self-motivation ★★☆☆☆  
Critical thinking ★★☆☆☆

## EXPERIENCE

### Software Engineer Intern

Oct. 2019 – Mar. 2020

**Xemelgo Inc., Seattle, Washington**

- Designed and implemented DynamoDB table and RESTful APIs on AWS using Serverless framework.
- Wrote JavaScript unit tests with Jest testing framework.
- Supported building mobile app using React Native and tested on Android and iOS simulators.
- Implemented UI prototypes and tested functionality.

### Tutor

Jan. 2017 – Jun. 2018

**Math and Science Tutoring Center, South Seattle College**

- Used knowledge of math and computer science to provide private instruction to individuals to improve academic performance.
- Provided feedback using positive reinforcement techniques to encourage, motivate, or build confidence in students.
- Used both technical knowledge and interpersonal skills to communicate ideas and concepts.

## PROGRAMMING PROJECTS

### Undergrad Research: Opensidewalks

Jan. 2019 – Dec. 2019

**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 adapted Model-View-Controller (MVC).

### IoT & Wireless Sensor Networks

Jan. 2017 – Mar. 2017

**South Seattle College, Seattle, WA**

- Implemented Raspberry Pi sensor to profile Wi-Fi 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 – June. 2020

IT Support, Seattle Vietnamese Alliance Church

Sep. 2016 – Oct. 2019

Dubhacks Hackathon

Oct. 2018, Oct. 2019

Impact Innovation Challenge Hackathon

May 2019