

# 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, Bootstrap, SASS,  
Neo4j, 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