Bao Dinh

Software Engineer

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Education

University of Washington Sept 2015 - June 2019

Seattle, WA

- Bachelor of Science in *Informatics* with Data Science Specialization (GPA: 3.65)
- **Programming Coursework:** Data Structures & Algorithms, Software Architecture, Networks & Distributed Application, Relational Database, Client Side Web Development, Server-Side Web Development, iOS Mobile Development, Android Mobile Development, Artificial Intelligence

Experience

INFO441 Teaching Assistant Sept. 2018 - Present

University of Washington, Information School

• Responsible for teaching students about server-side development by means of building a sophisticated full-stack web application. Concepts covered include communication protocols, REST, containerization, in-memory data stores, Microservices and asynchronous messaging.

Technologies Leveraged: Golang, Node.js, Python, Docker, EC2, Redis, RabbitMQ, Websockets, MySQL, MongoDB

Software Developer, Intern June - August 2017

Institute of Health Metrics and Evaluation

• Implemented reusable React UI components for internal visualization library used to refactor the existing visualization codebase as well as standardize future visualization development.

• Utilized implemented components to refactor an existing visualization in production in order to create documentation for future development.

Technologies Leveraged: React, D3, Chai, Enzyme, Git Version Control

Technical Skills

Language: Java, Golang, Python, Typescript

Data Systems: MySQL, MongoDB, Redis, Cassandra, Kafka

Library/Framework: React, React Native, Redux, Node.js, Express, Flask, GraphQL, Scikit-learn

Tools: Docker, Terraform, AWS, Git, Linux

Projects

Shift 2 Go (Senior Capstone Project)

• Developed web and mobile platform that facilitates the marketplace for businesses to connect with on-demand service workers.

• Architected and built scalable RESTful backend server to manage business, employee and shift interactions in order to satisfy core user scenarios.

Technologies Leveraged: Golang, Python, Node.js, MySQL, Redis, Cassandra, Kafka, React, React Native, Redux

EcoSnap

• Developed an Android application that classifies whether an item is recyclable or not recyclable.

• Performed transfer learning on MobileNets in Tensorflow in order to refine classification.

• Architect and built RESTful backend server enabling images to be classified, model to be downloaded, and retrained.

Technologies Leveraged: Kotlin, Android SDK, Golang, Python, Tensorflow, MongoDB