Aaron Nguyen

Software Engineer

Diligent • Dedicated • Driven

Contact & Profiles

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Experience

Peeka VR - Software Development Engineer Intern
Seattle, WA | June 2018 - September 2018

- Led development in implementing Peeka's platform for children's virtual reality content for both iOS and Android platforms
- Implemented the database system, and back end solutions to handle user authentication, playable VR content on runtime, payment transactions, and Peeka's virtual currency system with AWS
- Utilized React Native's robustness to silmutaneously develop both iOS and Android applications while maintaining progress for release date
- Worked closely with a project manager, design team, content team, and the business team to determine MVP for launch. Worked primarily in an Agile environment w/ coordinated sprints & deliverables.

University of Washington - Teaching Assistant
Seattle, WA | September 2018 - Present

- Teach undergraduate students web development technologies (HTML, CSS), design process (Design Thinking, User Testing, Wireframing, Prototyping), relational databases (DB Schemas, SQL, Data Management), and teamwork skills that prepares them for more in depth classes in the Informatics major.
- Responsibilities includes lecture presentations, programming demonstrations, and grading class assignments and projects.

Projects

EcoSnap
May 2018 - Present

- Developed an Android app that used a machine learning model, trained by my team via ten of thousands of scraped images, to make a binary decision on whether an item was recyclable based on an image
- My responsibilities included the implementation of user authentication, database management & data transactions, the location of nearby recycling centers via Google's API, and visualizations based on the user's recycling history and habits

Slack Rebuilt
January 2018 - June 2018

- Developed a full scaled web application modeled after Slack's features and functionalities (Instant Messaging, User Auth, Public/Private Channels)
- Implemented the front end of this application using React's framework
- Designed & implemented a REST API for the back end of this application. Utilized Google's Go lang (User Auth), Node.js (Microservices & Websocket Notifications), MYSQL (Database Management), and Docker/Digital Ocean (Hosting related services)

Education

University of Washington, Seattle
Bachelor of Science, Informatics
Graduation Date: June 2019
Focus: Software Engineering/Development

Stanford University
Summer College 2014
Focus: Neuroscience & Biology
Competitive Stanford undergraduate program for high school students

Green River College
Running Start Program 2013-2015
Program enabling high school students to attend college full-time.

Skills

Development
- Java
- React
- Go Lang (Server-Side)
- React Native
- Javascript
- Kotlin (Android Development)
- Node.js
- SQL & NoSQL
- HTML & CSS
- R (Data Wrangling & Visualizations)
- Git

Visual Design
- Adobe XD
- Adobe Illustrator
- UX & UI Design Thinking
- Rapid Prototyping & Wireframing
- Adobe Premiere Pro (Video Editing)

Areas of Knowledge
- Data Structures & Algorithms
- Agile Development Framework
- Docker Containerization
- Front End Web Development
- Server-Side Development
- Relational Databases
- Android & iOS Development
- Native App Development (React Native)
- AWS Tools and Integration
- Project Management & Analysis