

PATRICK PHUONG

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Education

University of California, Santa Cruz

Sept 2017 - March 2019

Bachelor of Computer Science

• **Courses:** Web Applications, Distributed Systems, Database Management Systems, Computer Security

Skills

Languages: JavaScript, Java, Python, C, HTML, CSS

Technologies: React, Expo, Redux, Node, Express, MongoDB, PostgreSQL, AWS, Git, Docker

Professional Experience

TaggID Inc

Palo Alto, CA

Software Engineering Intern

Nov 2021 – Present

• Lead developer of web application built with React.js

Hydrologic Purification Systems

Santa Cruz, CA

Software Development Engineer

Feb 2020 – Aug 2021

- Developed React application to efficiently search Firestore data using Algolia search API
- Wrote cloud functions to synchronize Algolia database with Firestore to enable fast search

Software Developer Intern

Sept 2019 – Feb 2020

- Developed an Expo application for customers to register their commercial reverse osmosis systems
- Implemented cloud functions to detect and send email alerts for close to expiring system consumables

Projects

The Golden Mean – Podcast web application

- Full stack developer utilizing React and Firebase deployed with around 40 weekly listeners

Njoy – Scheduling web application

- Lead team of 4 to generate an available schedule given activities and their corresponding durations
- Implemented core schedule generation algorithm and back end using Node, Express, and MongoDB
- Integrated React-Redux and contributed developing modular UI components

Distributed Key-Value-Store – Distributed Systems Project

- Implemented API's for an eventually consistent, highly available, partition tolerant KVS system using Node and Express

Resistor Calculator – Amazon Alexa Skill

- Developed an Alexa skill that returns the correct total resistance and tolerance given 4 color band inputs