PATRICK **PHUONG**

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Education

University of California, Santa Cruz   Sept 2017 - March 2021
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
- Led the development of a web application built with React
- Develop features for React Native application and build APIs using Django

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