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 – Feb 2022
• Full stack development for social application using Django and React Native
• Led the development of Tagg's web application using React

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

Plant Care App – Expo application
• Integrate Plant.ID image recognition API to scan plants and web scrape additional plant care information

The Golden Mean – Podcast web application
• Full stack development utilizing React, and Firebase deployed to around 40 weekly listeners

Njoy – Scheduling web application
• Led 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

Distributed Key-Value-Store – Distributed Systems Project
• Implemented APIs 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