Bao Hoang

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EDUCATION

University of California, San Diego, *San Diego, CA*
Master of Science, Computer Engineering — *Jan. 2021 – Jun. 2022*
GPA: 3.3 / 4.0

University of California, San Diego, *San Diego, CA*
Bachelors of Science, Computer Engineering — *Sept. 2017 – Dec. 2020*
GPA: 3.1 / 4.0

EXPERIENCE

Computer Science and Engineering Department, *UC San Diego, CA*
Teaching Assistant — *Jan. 2020 – Current.*

- Teaching assistant for multiple classes including Intro to Programming with Python, Object-oriented Programming with Java, Web Client Languages with HTML, CSS, JavaScript and Database Analytic Application.
- Automated assignment grading with Python, saving TAs multiple hours weekly.
- Held office hours to assist more than 20 students weekly with debugging their code and explaining class material.

Regal Beloit Corporation, *Remote*
Business Analyst Intern — *Jun. 2021 – Sept. 2021*

- Researched and documented business requirements including business objective, user stories, users cases for more than 20 features such as the product detail page, products comparison tool and where to buy page for the ecommerce website.
- Used Figma to design training portal, community forum and other small features, providing a clear roadmap for the engineering team to implement the features.
- Automated collecting over 1000 users' sign in data daily using Python and Okta API, providing data for my team to track the number of new and old users.
- Performed user acceptance testing for multiple features of the website, making sure all the features work before releasing them to public.

MedCrypt, *San Diego, CA*
Software Engineer Intern — *Sept. 2020 – Dec. 2020*

- Updated design and content of MedCrypt website with HTML CSS and JavaScript to keep all the information on the website up to date, and increase users' activity.
- Implemented a chatbot with jQuery, increasing user interaction on the website by 10%.
- Utilized Google Analytics and Google Tag Manager to track user's interaction such as clicks and time spent on the site.
- Developed a Python script to automate updating news on the website.
- Created an interactive demo page for company's product with JavaScript.

ECE Undergraduate Student Council, *UC San Diego, CA*
Treasurer — *Jun. 2019 – Jun. 2020*

- Maintained landing page with React, and improved user experience by reworking the navigation bar.
- Created a mentorship page to match students with upperclassmen, helping freshman accelerate their learning.

PROJECTS

SucSeed — HackRice 2020

- Created a Chrome extension that presents cheaper alternatives to Amazon products with React Hook and Firebas.
- Used Bill.com API to create a secure money transaction system.
- Won the Finance Track in HackRice 2020.

LibWalk — Class Project

- Designed a React web app that allows students to find all the clubs and organizations at UCSD.
- Improved the web app design with Material-UI library.

Homehub — Group Project

- Implemented the front-end components of a property rental platform that allows users to look for housing based on earliest availability.
- Utilized Typescript and Sass for the front-end.

SKILLS

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

Tools & Technologies: Git, GitHub, Linux, Unix, React, Firebase, NodeJS, Express, MongoDB, MySQL, Jupyter Notebook