Truong Phu Vu

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EDUCATION

B.S., Computer Science   May 2024
San Jose State University, San Jose, CA
- Cumulative GPA: 3.86.
- Relevant Coursework: Data Structures & Algorithms, Computer Architecture, Discrete Mathematics.
- Organizations: SJSU Software & Computer Engineering Society.

EXPERIENCE

Software Engineer Intern, Software & Computer Engineering Society (SCE)   Jun 2022 - Aug 2022
                                                                                                                        San Jose, CA
- Established a Discord bot printed authenticated users' PDF files on paper.
- Interfaced REST API with Amazon Web Services to upload file data to S3 and requests to SQS.
- Conceptualized a webpage for administrators to edit members' info with React.js.
- Formulated and executed a REST API to interface with MongoDB to retrieve membership data.

SKILLS & INTERESTS

- **Languages:** JavaScript, HTML5/CSS, EJS, Java, C++.
- **Technologies:** React.js, Node.js, Express.js, Axios.js, Chai.js, Mocha, Enzyme.js, NoSQL (MongoDB), MySQL, SQL, Docker, AWS.
- **Tools:** Git, VS Code, IntelliJ, Eclipse, GitHub.

INDEPENDENT PROJECTS (More projects available at https://github.com/phuvu0107)

Dessert Project, Software & Computer Engineering Society (SCE)   Jul 2022 - Jul 2022
- Managed a team of 2 software engineering students to build a viewable database for SCE's banquet costs.
- Developed a **RESTful API** to create, read, update, and delete descriptions of materials to purchase.
- Controlled data entries by an Admin Interface interacting with the API to manage data.
- Developed two distinct web pages for Admin Interface and Public Interface.
- Technologies used include **React, MongoDB, Express, Node, JavaScript, CSS.**

Weather App   Jun 2022 - Jun 2022
- Designed a dynamic interface accessible via mobile and web browsers to visualize current weather conditions at San Jose State University.
- Integrated OpenWeather REST API to extract and display weather data when given a zip code.
- Deployed tool into SCE's club website accessed by over 300 active members.
- Technologies used include **React, JavaScript, Docker.**

Personal Blog   Apr 2022 - May 2022
- Devised a full-stack personal blog website leveraging EJS and Node.JS.
- Designed and implemented REST API to interact with MongoDB to retrieve users' posts.
- Deployed application on Heroku and obtained more than 50 access.
- Technologies used include **EJS, Javascript, Node.JS, MongoDB, HTML, CSS.**

Song Searching Machine   Nov 2020 - Dec 2020
- Led a team of 4 software engineering students to build a database of songs in Java.
- Accomplished self-built database using a hash table, doubly linked list, and Binary Search Tree for song data.
- Eliminated common words and alphabetically rendered songs through one keyword from searching.
- Allowed users to create, edit, search and delete songs from database via command line.