Vinh Tran

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EDUCATION

California State University, Fullerton   *January 2023*
Bachelor of Science, Computer Science   **GPA: 3.85**

RELATED COURSES

- Programming and Data Structures Concepts
- Object-Oriented Programming Language
- File Structures and Database Systems
- Algorithm Engineering
- Artificial Intelligence
- Computer Communications
- Software Development with Open-Source Systems
- Java Programming
- Foundations of Software Engineering
- Web Back-end Engineering
- Database and Applications

COURSE PROJECT

Web Application Development   Spring 2022
- Used MVC Model to create a simple shopping online application website
- Built a database system to manage users, products, and user's cart
- Implemented API to establish the communication between users and server
- Collaborated with other team members on the creation of the layout and functions of website with HTML, JavaScript, PHP, and CSS

RESTful Back-end Development   Fall 2021
- Built a microblogging service similar to Twitter
- Used Hug routing to define RESTful microservices for users, posts, likes, and polls
- Programmed and managed the service and its data with Python, SQL, and NoSQL

Sorting Algorithms Visualization   Fall 2020
- Implemented sorting algorithms such as Insertion sort, Gold's Poresort, Mergesort, and Quicksort
- Designed and illustrated them side-by-side in the browser with HTML, JavaScript

University Database Management System   Spring 2020
- Built a database management system that stores data of a university with MariaDB
- Designed a web interface to allow users to retrieve the information with HTML, PHP

SKILLS

- **Programming Languages**   *C++, Java, Python, JavaScript, PHP, SQL, HTML*
- **Frameworks**   *jQuery, Express.js, Bootstrap, React JS*
- **Databases**   *MariaDB, MySQL, Redis, Amazon DynamoDB*
- **Operating Systems**   *Windows, Mac OS, Linux*
- **Software/ Tools**   *Visual Studio, Xcode, Eclipse, Atom, GitHub, Word, Excel, PowerPoint*
- **Hard skills**   *Computer programming, Typing speed, Math problems solving*
- **Languages**   *English, Vietnamese*

WORK EXPERIENCE

California State University, Fullerton   Fullerton, CA
Supplemental Instruction (SI) Math Leader   August 2022 – December 2022
- Led the Pre-Calculus workshop that contains 20 students
- Developed a collaborative learning environment through sessions
- Assisted students in improving their understanding of Pre-Calculus material and their grades

ACADEMIC ACHIEVEMENTS

- **Dean's List**   Fall 2018, Spring 2019, Fall 2019, Spring 2020, Fall 2020, Spring 2021, Fall 2021, Spring 2022