Vincent Huang

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Education

University of California, Davis Davis, CA
Bachelor of Science, Computer Science and Statistics. GPA: 3.743 September 2020 – June 2024

Technical Skills

Programming: HTML, CSS, JavaScript, Node.js, React, React Native, Python, Java, C++, C#, R, SQL, NoSQL
Other Skills: AWS, Git, Figma, Firebase, Microsoft Office
Operating Systems: Windows, MAC OS, Linux

Experience

Avenu New York, NY
Software Engineering Intern January 2023 – Present
Engineered features and UI/UX for mobile and mobile-web application development utilizing React, React Native, Node.js, Firebase, and AWS. Collaborated with cross-functional teams to design and implement reusable components, views, and controllers, and managed states and data using Redux and React Context. Successfully developed and deployed 100+ full-stack functionalities, comprising of UI screens, Redux state management, Firebase data preprocessing, scripting for database access, and AWS CDK serverless functions that support Avenu operations.

San Jose State University San Jose, CA
Front-End Developer Intern June 2022 – September 2022
Designed and developed 20+ webpages for multiple projects using technologies such as Figma, HTML, CSS, JavaScript, and React. Enhanced user experience and fulfilled web application objectives by creating site structure, navigation, and functionality with the backend. Worked with professors, development leads, and other software developers to build 40% of business requirements.

University of California, Davis Davis, CA
Computer Science Tutor September 2021 – June 2022
Tutored for UC Davis students by providing support and guidance to students in lower division courses such as Object-Oriented Programming and Data Structures. Reviewed and delivered course material, explained homework solutions, and held individual and group sessions to provide feedback and give guidance. Improved students' overall grades by 20% and helped several struggling students obtain passing grades.

Leadership & Activities

Davis Data Science Club Davis, CA
Technical Officer September 2022 – March 2023
Assisted student project teams in Data Science, Machine Learning, and Artificial Intelligence with programming support. Collaborated with technical team members to clean and prepare datasets, train statistical models, and perform comprehensive analysis and statistical inference. Organized and led Data Science workshops to educate club members on various skills.

UC Davis Plant Sciences Department Davis, CA
Computer Web Assistant September 2022 – June 2023
Developed and maintained websites for the UC Davis Plant Sciences Department, utilizing SiteFarm to create new features and archive past articles and publications. Communicated with professors and other students to publish research and information through web development.

Personal Projects

Recipe Keeper **https://play.google.com/store/apps/details?id=com.recipeKeeper**
https://github.com/vhcent/Recipe-Keeper
Engineered a full-stack recipe keeper mobile app using React Native, Node.js, AWS, MySQL, and Auth0. Incorporated Spoonacular Recipe API for ingredient-based recipe search. Created a multi-endpoint RESTful API using AWS, with JWT token authorization. Designed an efficient SQL database for user and recipe information. Secured API endpoints with Auth0's OAuth login system.

Sorting Algorithm Visualizer **http://sorting-algorithm-visualizer.s3-website-us-west-1.amazonaws.com/**
https://github.com/AroopBiswal/Sorting-Algorithm-Visualizer
Developed a front-end website utilizing React that visualizes classic sorting algorithms such as quick sort and merge sort. Implemented a user-friendly interface with options to adjust the speed of visualizations and the size of elements for improved comprehension and clarity.

Pathfinding Algorithm Visualizer **http://pathfinding-algorithm-visualizer.s3-website-us-west-1.amazonaws.com/**
https://github.com/AroopBiswal/Sorting-Algorithm-Visualizer
Built a front-end website with React that visually showcases classic pathfinding algorithms such as A* and Dijkstra's. Implemented a user-friendly interface featuring customizable speed and terrain options, enabling deeper understanding of the algorithms.

Language Skills & Interests

Languages: Mandarin
Interests: Volleyball, Wushu, Piano, Manga Comics, Video Games