Jason Zhu

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Education

University of California, Merced   May 2021

Bachelor of Science, Computer Science and Engineering

Dean's Honor List (Fall 2020 - Spring 2021), Chancellor's Honor List (2021)

Relevant Coursework:

- Algorithm Design and Analysis, Data Structures, Object-Oriented Programming, Human Computer Interaction, Operating Systems, Computer Architecture, Database Systems, Computer Vision, Software Engineering

Skills and Abilities

- **Languages**: C++, Python, Java, Javascript, HTML, CSS, SQL, Typescript, MATLAB
- **Technologies:** Ionic, React, Angular, Node.js, Spring Boot, MongoDB, Express
- **Developer Tools:** Git, Github, Apache Maven

Certifications:

- Responsive Web Design Certification, October 2021
  freeCodeCamp.org, San Francisco, CA

Work Experience

Associate Software Engineer Trainee, Mphasis   November 2021- Present

- Trained with front and back-end programming languages, tools and methodologies
- Developed and delivered a full-stack dynamic online banking web application with features that allow users to deposit, withdraw, and transfer between accounts
- Technologies used: Java, Spring Boot MVC, Hibernate, HTML/CSS, Apache Maven, MySql

Projects

Software Engineering Capstone, Cisco's Box to Cloud   January 2021 – May 2021

Frontend Developer

- Designed a hybrid mobile app for Cisco's server technicians aiming to mitigate human error when setting up server racks
- Deployed the frontend consisting of camera barcode scanning feature and display of assigned technician tasks using Ionic Framework
- Implemented page routing for technician server rack installation walkthrough on app using TypeScript
- Designed http requests to fetch live data through a team-developed API

Stock 'ems

- A complete MERN stack web application designed for stock traders to post and discuss amongst each other
- Implemented user token authentication to display correct dashboard and profile information
- Created RESTful API for the backend with Express and deployed to heroku

Personal Portfolio Website

- Designed and built a multiplatform-friendly website showcasing my projects
- Employed the React library and React router to develop site navigational components
- Utilized Framer Motion to create smoother page and component transitions

Beats Music Player

- Created a web-based music player with a library that has the functionality to play, pause, and skip tracks
- Used Javascript XML (JSX) and React to build the user interface of the application
- Utilized prop and state functionality in React to create synced UI components for current song being played