Victor Chen

Software engineer with 2+ years of experience specializing in back-end system design, machine learning, and web services development.

Contact

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Professional Experience

VMware

Software Engineer, August 2021 - Present

Launched a workflow orchestration engine based on Netflix Conductor and developed in Java to streamline iOS and Android device updates and management for 25+ Fortune 500 companies.

University of Richmond

Research Assistant, May 2019 – April 2020

Spearheaded AI and machine learning research effort on more efficient building evacuation by designing a real-time simulation of active threat scenarios in C++ using a 3D model of a university academic building.

Languages

JavaScript; HTML5; CSS; Python; Java; C++; SQL; Kotlin, and Swift.

Technologies

React; Node(npm); jQuery; Flask; Bootstrap; TensorFlow; PostgreSQL; MongoDB; Postman; Git; Spring; Gradle, and Maven.

Education

University of Richmond
B.S in Computer Science
Minor in Mathematics
A-List, Dean’s List

Side Projects

Quarterly

Created a Chromium extension that aims to transform the future of remote work by prioritizing physical and mental wellness. The app reminds users to practice self-care for posture, eyestrain, and hydration. Developed in Javascript using the React.js library, and used Bootstrap to create a resposive interface. Integrated Chrome API operations for persistent and accurate alarm events.

Accessible Spellbook

Pioneered an Alexa application that allows visually impaired users to query the web for Dungeons and Dragons spells. Used Axios and Cheerio (DOM parsing modules) for web scraping and deployed to AWS Lambda to accelerate natural language input and output processing.

Neural Style Transfer

Formalized a python toolset powered by AI that allows users to transfer the color palette and artistic style of cartoon faces onto human faces accurately using their own custom datasets. Leveraged machine learning algorithms and Keras API operations to deliver enhanced and expanded style transfers visualized over PyLab.

College Readiness Initiative

Launched a non-profit SAT management and studying web application that provides free test preparation to disadvantaged students in the Richmond public school system. Used MongoDB and jQuery to access student and administrator credentials and used Bootstrap and Javascript to create a responsive and fluid user interface.

Codenames

Won 1st Place Team Hack at a state-wide hackathon hosted by Major League Hacking and Github. A web application port for the popular party game, *Codenames*, developed using jQuery and Bootstrap, and hosted on Microsoft Azure.