Michael Cordero

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Skills

JavaScript | TypeScript | HTML | CSS | Python | PHP | React | Next.js | Django | Git | MySQL | Azure | Docker | Nginx | Figma

Experience

Full Stack Software Engineer   **Care.coach**   **Aug 2021 – Oct 2022**

- Built a web-based chat interface for machine learning AI; simulated client-based conversations and healthcare protocols to increase client services and retention; acquired investments to cover yearly business costs and provided a new method of scalability compared to current business model.
- Fixed a variety of issues to improve system security; implemented Microsoft Azure SSO across all system platforms; migrated legacy authentication services to Django while maintaining sha-256 and bcrypt hash algorithms; protected client privacy by integrating an idle timer to system dashboard.
- Improved UI and UX of system dashboard; reduced the average latency of APIs by 88% and refactored legacy PHP to React and Redux; updated log system by converting events from comet to websockets; created new features to bolster staff productivity.
- Took on leadership opportunities by leading bi weekly deployments to introduce features, performance improvements, changes to system architecture, and bug fixes in an agile development environment.

Computer Engineer, Intern   **UC Davis ECE**   **Sep 2019 – Apr 2020**

- Built an autonomous race car for annual NATCAR competition; designed and fabricated a pcb using Altium and integrated an OpenMV camera for computer vision and real-time data polling; developed an algorithm to achieve an average racing speed of 8m/s.

Software Engineer, Intern   **UC Davis BAE**   **May 2019 – Aug 2019**

- Helped improve the agricultural state of local farms at UC Davis by coding an algorithmic irrigation system that watered crops based on their needs.

Projects

Personal Website - michaelgcord.github.io/portfolio/

Kigen – Next.js Kitsu API

- Developed a web application to curate a list of randomized anime based on selected genres; implemented dynamic routes to display details about each title and integrated a search engine to find specific titles.

Daily Journal – Javascript Node.js MySQL

- Designed and built a full stack web application to let users write personal journals; implemented CRUD operations to create, edit, and delete entries; maintained journals in a MySQL database.

Shell – C

- Recreated Linux's command line shell - Bash.

Education

University of California, Davis • September 2016 – December 2020
B.S. Computer Engineering
Course Work: Algorithms & Data Structures | Operating Systems | Computer Networks | Systems Architecture