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Carlos Flores
East Palo Alto, CA

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Technical Skills

Javascript, HTML, CSS, JQuery, React, React Native, Aframe-React, Aframe, Angular, Node, socket.io, MongoDB, Mongoose, MySQL, Mocha, Chai, Enzyme, Heroku, DigitalOcean, AWS, Docker, Webpack, Git, C++

Software Engineering Applications

ShopVR, Software Engineer

Shopping aid that provides a social and unique shopping experience

- Created VR retail space with Aframe-React for seamless data transfer between real and virtual environments
- Enabled real-time chat and screensharing with socket.io and WebRTC for quick, bidirectional data transfer
- Integrated Google Cloud Vision API with personalized recommendation preferences for fast, accurate results
- Constructed modular front end with React for fast re-rendering of dynamic data
- Architected relational schema with MySQL for fast and efficient querying

Drawmie, Software Engineer

Real-time communication and whiteboarding for groups

- Constructed group video chat platform with PeerJS to streamline creation of peer to peer network
- Configured real time chatrooms with socket.io for multiple concurrent data streams
- Designed MongoDB schema using Mongoose for easy persistence of data sets of varying size

Sembly, Software Engineer

Social event planning and coordination for groups

- Built multi-view front end in React Native for a responsive and performant iOS application
- Rendered map view with Airbnb's React Native Maps for more intuitive, feature filled component
- Integrated Express, NodeJS, and Mongoose to save and serve variably sized, user generated mobile data

Coordi-mate, Software Engineer

Housemate forum for new roommate decisions

- Constructed modular front end views with React for fast rendering of dynamic data
- Built server with Express and NodeJS to serve a log of chats
- Designed document-based schemas with MongoDB and Mongoose for rapid development and iteration

Lazer, Software Engineer

Single Player 2D survival shooter game

- Built application client with Qt Creator and C++ to ensure cross platform capability
 - Implemented collision detection and multiple animations for increased player difficulty level
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Professional Experience

MedQIA, Research Assistant

2012-2016

- Published manuscript to report effects of dose reduction for international scientific journal: *Medical Physics*
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Education

Hack Reactor, Advanced Software Engineering Immersive Program

2016

University of California Los Angeles, BA in Economics

2016

- Relevant Courses: C++, Java, Python, Stata, HTML & CSS
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Personal

Soccer is my passion: playing competitively, volunteer refereeing, and volunteer coaching youth