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Carlos Flores
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Technical Skills

- Strong: Javascript, HTML, CSS, JQuery, NodeJS, React, React Native, Aframe-React, Aframe, AngularJS, socket.io, Passport, MongoDB, Mongoose, MySQL, Sequelize, D3, Mocha, Chai, Enzyme, Heroku, DigitalOcean, Amazon Web Services, Docker, Webpack, Git
- Experienced: C++, Java, Python

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 a 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 a group video chat platform with PeerJS to streamline the creation of a peer to peer network
- Configured real time chatrooms with socket.io in order to handle multiple concurrent data streams
- Designed MongoDB schema using Mongoose in order to to persist large text objects of varying size

Sembly, Software Engineer
Social event planning and coordination for groups
- Built multi-view front end in React Native to create a responsive and performant iOS application
- Rendered map view with Airbnb's React Native Maps in order to work with a 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 a Single-Page Application using React to seamlessly render a chat room
- Built a server using Express and NodeJS to serve a log of chats
- Designed a MongoDB schema using Mongoose to handle scalability

Lazer, Software Engineer
Single Player 2D survival shooter game
- Built in Qt Creator with C++ to ensure cross platform capability
- Implemented collision detection and a variety of animations for an increasingly difficult user experience

Professional Experience

MedQIA, Research Assistant   2012-2016
- Investigated the effect of reducing radiation dose on Computer Aided Detection lung nodule detection
- Published a manuscript to report the effects of dose reduction for the international scientific journal: *Medical Physics*

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

Personal

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