eddiechou
software engineer

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Technical Skills

Languages/Formats: JavaScript (ES6/7), JSX, HTML, CSS, SQL, JSON, XML, Java, C/C++
Front-end/Frameworks: React, Redux, AngularJS, Backbone, Material-UI, Bootstrap
Databases/ORMs: Firebase, MongoDB, Mongoose, mySQL, Sequelize, SQLite
Tech: Heroku with Pipelines, Docker, Node, Express, Passport, RESTful APIs, Git, Mocha/Chai, Grunt, Trello

Projects

Pearl Jam, Software Engineer | React, Redux, Firebase, Socket.io, Phaser.io
Real-time HTML5 multiplayer game
- Synchronized data across all clients in real-time by leveraging Firebase and Redux to improve responsiveness and overall UX
- Implemented real time game logic using Socket.io for fast response times between server and client
- Maximized development workflow efficiency by employing TDD methodology through the use of Jest, Enzyme, and Sinon and by automating build tests with CircleCI

C5, Software Engineer | MERN Stack, IBM Watson, Auth0, D3
Analyze the personality of social media profiles or resumes
- Calculated social media profile personality attributes and manipulated generated data into a compatible format for Watson API to perform graphical comparisons of traits among Twitter users
- Secured sensitive user data by integrating Auth0 with Express server for authentication and sessions

Hella Amazing Race, Software Engineer | MERN Stack, Google Maps API, PubNub
Social racing app
- Integrated Facebook authentication using Passport and persisted client data across all user visits
- Optimized team's development workflow efficiency by streamlining Heroku Pipeline development, staging, and deployment environments
- Constructed wireframes, architecture, and database diagrams to solidify project goals

IMAP, Software Engineer | Java, Java AWT
Image processing application
- Implemented image processing algorithms using Java to perform edge detection, brightness adjustment, contrast stretching, and obtaining the image negative

Work Experience

UCSF Medical Center, Inpatient Hospital Pharmacy Technician   2011 – 2012
- Prepared time-sensitive, patient-specific medications and handled the distribution of medication to medical staff throughout the hospital

Institute for Myeloma and Bone Cancer Research, Research Intern   2010 – 2011
- Evaluated the efficacy of investigational drugs and the synergistic effects exhibited by drug combinations to improve patient treatment options

Education

Hack Reactor, Advanced Software Engineering Immersive   2017
CSU East Bay, M.S. in Computer Science (3.98/4.0)   2016
- Relevant Coursework: Engineering of Web-based Systems, Distributed Systems

UC Berkeley, B.S. in Chemical Biology, Nutritional Science minor   2010

Software Engineer | San Francisco Bay Area, CA