Ryan Meyer

SOFTWARE ENGINEER

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Education

Santa Clara University   *Santa Clara, CA*

B.S. IN COMPUTER SCIENCE AND ENGINEERING   *Sept. 2013 - Dec. 2017*

- Software Engineering, Compiler Design, Computer Architecture, Information Storage Systems, Computer Networks, Operating Systems, Digital IC Circuit Design, Algorithms, Advanced Programming, Embedded Systems, Logic Design, Advanced Data Structures

App Academy   *San Francisco, CA*

WEB DEVELOPMENT COURSE   *Spring 2018*

- Rigorous 1000-hour full-stack web development course with < 3% acceptance rate
- Topics include: Rails, SQL, JS, React, TDD, OOP, REST, security, and programming best practices

Skills

Ruby, Rails, JavaScript, jQuery, React.js, Redux, SQL, Git, HTML5, CSS3, RSpec, Unix/Linux, C, C++, ARM Assembly Language, Intel x86, Object Oriented Design

Projects

SonicStratus (Ruby, Rails, JavaScript, React/Redux, PostgreSQL)   *Live | Github*

WEB APPLICATION INSPIRED BY SOUNDCLOUD THAT ALLOWS USERS TO SHARE AND INTERACT WITH MUSIC.

- Utilized AWS S3 Storage to optimize image and audio uploads, reducing server load and allowing for scalability of services
- Created top level hierarchical music player Component using React Player and custom event listeners to dynamically sync audio waveforms
- Optimized data transfer and increased loading speed through dynamic storage of Wavesurfer.js visualization data in PostgreSQL database
- Leveraged JBuilder and Redux unidirectional data flow to create predictable, normalized state and reliable DOM rendering

mICO (MongoDB, Express, Node, React Native, Redux)   *Live | Github*

iOS APPLICATION THAT ALLOWS USERS TO TRACK INITIAL COIN OFFERINGS AND LOCAL CRYPTOCURRENCY EVENTS

- Launched OAuth2.0 using passport, allowing users to authenticate using Google, Facebook, and LinkedIn
- Implemented infinite scroll to automate axios requests to external API for real-time ICO data and seamless, responsive UI design
- Integrated Google Maps API with geolocation to display nearby cryptocurrency events

Serpent VS Square (JavaScript, HTML5, CSS3)   *Live | Github*

AN HTML CANVAS AUTO-RUNNER GAME

- Engineered custom collision detection algorithms and physics for player movement and seamless gameplay
- Designed snake movement algorithm and custom event listeners for smooth and responsive UI animation

Experience

MATRIX Resources   *San Francisco, CA*

SOURCING DATA ANALYST INTERN   *June 2016 - Dec. 2016*

- Sourced and performed data analysis for company IT Resources
- Analyzed and queried internal database which streamlined candidate pipeline leading to 10% increase in placements
- Leveraged LinkedIn to update over 1000 existing database records in CRM Software Application

Wells Fargo Bank, NA   *San Francisco, CA*

INTERN, CORPORATE PROPERTIES GROUP   *June 2015 - Aug. 2015*

- Prepared audit workpaper files for occupancy taxes and audited tax consulting invoices
- Improved workflow through assembly and organization of real estate construction project files