James Tae

SOFTWARE ENGINEER

PROFILE

CONTACT

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SKILLS

Ruby	Django
Rails	SQL
JavaScript	HTML
jQuery	CSS
React.js	Git
Python	C++

PROJECTS

GCloud (Rails, React, Javscript)   Live Github
A music for playing for playing and sharing your favorite songs
- Ensured database security through hashing of passwords using the Rails BCrypt gem
- Implemented song CRUD functionality by using ActiveRecord library and Paperclip for seamless file attachment integration
- Utilized AWS S3 cloud for improved scalability and performance and remote storage of audio/image files and AWS CloudFront CDN for faster content delivery

Fantasy Investing (Django, React, Javascript)   Live Github
A stock-simulation app with real-time stock trading
- Implemented Django Rest Framework for usability and seamless integration between client and server
- Incorporated Intrino's WebAPI for real-time market data analysis
- Implemented stock and portfolio CRUD functionality utilizing React/Redux architecture to allow users to buy and sell shares

Falling Balls (Javascript, HTML)   Live Github
A fast-paced ball dodging game built for the browser
- Incorporated HTML5 canvas for dynamic and fluid animation
- Designed a smooth UX by implementing jQuery event handlers for intuitive controls and responsive gameplay

Desalination System using Air-Gap Membrane Distillation
- Designed feedback control of an open loop system for the purpose of reading and regulating temperature
- Programmed a micro-controller (C++) using PWM to regulate voltage of a heating pad through the variance of duty cycle in order to maintain a constant temperature

EXPERIENCE

Field Service Intern - Golden Star Technology 2014 - 2015
- Fulfilled requests by LBUSD to implement new computer systems to public schools

Cashier - Zion Market 2015
- Supervised employees and provided on the job training
- Handled inquires and resolved customer disputes

EDUCATION

App Academy
- 12 week 1000 hour immersive bootcamp with < 5% acceptance

California Polytechnic State University, Pomona 2016
- BS in Electro-Mechanical Systems Engineering