


James Tae


SOFTWARE DEVELOPER


PROFILE





CONTACT


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SKILLS

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

PROJECTS

GCloud (Rails, React, Javascript)

[Live](#) [Github](#)

An app for playing, uploading, and sharing music

- Ensured database security through hashing of passwords using the BCrypt gem on the Rails backend
- Implemented song CRUD functionality by using ActiveRecord library, Paperclip for seamless file attachment integration
- Utilized AWS S3 cloud for improved scalability and performance and remote storage of audio/image files

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 Intrinio's Web API for real-time market data and 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

- Incorporates HTML5 canvas for dynamic and fluid animation
- Designed for 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

Golden Star Technology

- Fulfilled requests by LBUSD to implement new computer systems to public schools
- Wired and built servers for customers

EDUCATION

App Academy

- 12 week 1000 hour immersive bootcamp with < 4% acceptance

California Polytechnic State University 2016

- BS in Electro-Mechanical Systems Engineering