

Joshua Hwang

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EXPERIENCE

Hacker in Residence - App Academy - San Francisco March 2016 - Present

- Administered algorithmic coding interviews for over 100 prospective students
- Created testing suite with 100+ tests for internal applicant tracking tool, allowing easier bug fixes
- Created Ruby and IRB tutorials for an accelerated learning program with over 80 students
- Formulated algorithm problems for admissions process and software development course

Software Consultant - Rand Group - Houston Feb 2015 - Dec 2015

- Built a timesheet tracking website for employee billable time and expenses that syncs automatically with accounting software, reducing workload and human error
- Developed software solutions for over 10 clients, including a database synced scan gun application and a warehouse management system, creating \$100,000+ in efficiency improvements
- Created applications to integrate client data with SQL databases, allowing for clients to use enterprise resource planning software (*Microsoft Dynamics*) and improve business processes
- Generated \$100,000 in personal billable hours for the firm

PROJECTS

Glimmr - Ruby on Rails - JavaScript - React.js - PostgreSQL [Live | GitHub](#)
An image sharing web application inspired by Flickr

- Uses Cloudinary API for uploading and hosting large numbers of images
- High-speed single page app with dynamic re-rendering results in smooth user experience
- Grid system built using Flexbox allows for dynamic resizing
- Back end authentication system which uses Crypt for password hashing

Script Fighter - JavaScript - HTML Canvas [Live | GitHub](#)
A beat-em-up javascript game using Street Fighter sprites

- State based sprite animations with dynamic rendering
- Uses memoization to track score and time progression

Chess - Ruby [GitHub](#)
Two-player chess playable through the console

- Cursorable module allows for precise piece selection
- Utilizes model inheritance to create directional movement for different pieces

SKILLS

Ruby	JavaScript	React.js	SQL	HTML	C#	Kendo
Rails	jQuery	Flux	Git	CSS	ASP.NET	NAV

EDUCATION

App Academy - Full Stack Web Development Course	Jan 2016 - March 2016
Rice University - MS in Ecology and Evolutionary Biology	July 2012 - Dec. 2014
Rice University - BA in Ecology and Evolutionary Biology	Aug 2008 - May 2012