

# Joshua Hwang

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GitHub



LinkedIn



JoshuaHwang

## EXPERIENCE

**Senior Software Engineer** - *Brain Health Registry - USCF - San Francisco*

**Oct 2016 - Present**

- Lead recruiter and interviewer for the engineering team, adding 4 new engineers in 2 years
- Lead multiple projects as either sole developer or as a mentor to junior engineers
- Refactored patient referral with 5 years old legacy code to have robust architecture, readable code, integration testing, command design pattern, and user friendly UI
- Revamped email system by transitioning all emails to Foundation, creating reusable email templates for storing and sending emails with dynamic placeholders, building an external validation system, and developing a reusable and modular email campaign manager with separation of concern
- Developed backend application (GPS) for managing and tracking 1000+ mailed DNA kits; used by scientists to collect, store, maintain, and analyze data related to remote biofluids collection. Multiple applications built off architecture of GPS, and paper published on feasibility of DNA collection.
- Built a variety of clients to interact with many external APIs ranging from large (Google, Twilio), medium (Shippo, Sendgrid), and small companies (Cogstate, Cantab)
- Built data reporting software to translate raw scientific data into legible data tables easily understood by non-technical personnel
- Wrote hundreds of analytical SQL queries for business intelligence and scientific analysis purposes
- Leader of diversity task force; implemented unconscious bias training to create culture of inclusion in the hiring process and to make the workplace an equitable and safe space for all

**Software Associate** - *App Academy - San Francisco*

**Mar 2016 - June 2016**

- Administered coding interviews in Ruby, Python, JavaScript and Java for 100+ prospective students
- Developed RSpec testing suite with 100+ tests for an applicant state tracking tool
- Constructed Ruby and IRB tutorials for an accelerated learning program with over 80 students
- Formulated algorithm problems for admissions process and software development course

**.NET Developer** - *Rand Group - Houston*

**Feb 2015 - Dec 2015**

- Built a timesheet tracking website (ASP.NET and Kendo) for billable time and expenses that syncs automatically with accounting software, drastically reducing workload and human error
- Developed software solutions in C# for 10+ clients, including a database-synced scan gun application
- Created applications to migrate client data to SQL databases, allowing clients to use enterprise resource planning software (*Microsoft Dynamics*) and improve business processes

## SKILLS

|         |            |       |        |       |       |      |                     |
|---------|------------|-------|--------|-------|-------|------|---------------------|
| C#      | JavaScript | React | jQuery | HTML5 | Ruby  | Git  | Bootstrap           |
| ASP.NET | Typescript | Redux | SQL    | CSS   | Rails | Jira | Integration Testing |

## 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