Austin Guest

Programmer

Contact

Email
guest.austin@gmail.com

Phone
831.917.6400

Website
http://github.com/aguestuser (http://github.com/aguestuser)

About

Self-taught programmer who has learned the basics of four languages, test-driven development, Agile, and functoional programming in just over a year. Looking to continue building my toolkit and work on distributed systems with a team of friendly inquisitive people that are looking for a fast learner.

Work

Hacker School   2014-11-17 — 2015-02-12

Autodidact   http://hackerschool.com (http://hackerschool.com)

Mastered basic best practices in functional programming in Scala and JavaScript

Highlights

- Wrote non-blocking chat server in Scala, using futures and a custom

wrapper around Java's NIO2 library

- Began work on a Scala BitTorrent client, including custom parser combinators and non-blocking socket IO
- Wrote Node app for parsing and storing real estate data using a recursive interpreter pattern to enhance composability
- Completed readings and exercises on algorithms, data structures, function composition, monads, concurrency, and recursion

BK Shift   2014-01-01 — 2014-11-07

Software Engineer   http://bkshift.com (http://bkshift.com)

Learned full-stack web development, test-driven development, and agile project management

Highlights

- Learned Ruby and built full-stack Rails app in 3 months
- Automated conflict-checking and shift allocation procecures
- Reduced time needed to allocate 300-400 weekly shifts to 100-150 riders by over 100%
- Used 1-week Agile sprints to ensure continuous deployment of usable features, front-load completion of learning-rich user stories, provide client with a burn-up chart to facilitate budgeting decisions

Occupy Wall Street / Crown Heights Tenants Union   2011-10-17 — 2013-05-01

Activist & Researcher

Deployed and iterated on complex systems approaches to large-scale social change

Highlights

- Conceived and project-managed Occupy The Boardroom, a web app that sent and displayed personal emails from ordinary people directly to the CEOs of the "Big Six" banks
- Coordinated Occupy Sandy's needs assessment canvass in the Far Rockaways, including design and implementation of distributed data-input system to support to overtaxed on-the-ground coordinators

- Used NYC's OpenData portal to research property ownership in Crown Heights in support of ongoing affordable housing campaigns; used research to write pamphlets, conduct teach-ins
- Coordinated tactical framework development, trainings and communications infrastructure for mass mobilizations of tens of thousands of people in NYC's financial district

Education

Harvard University   2000-09-01 — 2007-06-01

🎓 **Performance & Media Studies**
   BA

Courses

- Summa Cum Laude Senior Thesis
- High Honors in Major

Skills

Languages

- Scala
- JavaScript
- Ruby
- Racket

Areas of Expertise

- Functional Programming
- Full-stack Web Development
- Network Programming
- Unit Testing
- Concurrency
- Agile Development