

# Austin Guest, Programmer

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## SUMMARY

Fast-learning self-taught programmer with deep people skills. Have learned five languages, functional programming, Agile development, and open source management in three years. Looking to work with a tight-knit autonomous team that values intellectual exploration, compassionate communication, and social justice.

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## EXPERIENCE

### where@, Founder, Tech Lead

2015-06-01-2016-05-01

<https://whereat.io>

- o Conceived, architected, wrote prototype, and managed agile team for secure realtime location sharing app
- o Wrote majority of code & documentation for multi-tiered secure mobile app, including mobile clients in Java and React Native, web app in React, reactive-streams-based server in Scala
- o Led team of eight volunteer developers from ThoughtWorks NYC -- including coaching, pairing, code review, and consensus-building around major design/architecture decisions
- o Received mentorship in threat-modeling, cryptography, and security training from renowned ACLU security technologist Daniel Kahn Gillmore
- o Wrote, grouped, and prioritized user stories and epics for four parallel development streams according to Agile best practices
- o Developed public-facing ecosystem to optimize paths to access for outside contributors using cutting-edge OSS collaboration platforms (gitter.im, waffle.io, etc.)
- o Conducted user tests in simulated and live protests to drive UX and design decisions
- o (Currently) implementing continuous delivery pipeline using gocd, AWS, and Docker
- o Contributed to gocd's documentation for custom TLS configuration and dockerized tests
- o Wrote load tests in Gatling, used results to inform design of Kafka-backed distributed server architecture

### LittleSis, Software Engineer

2015-03-01-2015-06-01

<https://littlesis.org>

- o Catalyzed migration from monolithic legacy code base to modular, testable design by designing and supervising port of one feature slice from PHP/jQuery to Rails/React

### Recurse Center, Autodidact

2014-11-17-2015-02-16

<https://recurse.com>

- o Mastered basic best practices in functional programming in Scala and JavaScript
- o Wrote non-blocking chat server in Scala, using futures and a custom wrapper around Java's NIO2 library
- o Began work on a Scala BitTorrent client, including custom parser combinators and non-blocking socket IO
- o Completed readings and exercises on algorithms, data structures, function composition, monads, concurrency, and recursion

### BK Shift, Software Engineer

2014-01-01-2014-11-07

<http://bkshift.com>

- o Learned full-stack web development, test-driven development, and agile project management
- o Learned Ruby and built full-stack Rails app in 3 months
- o Reduced time needed to allocate 300-400 weekly shifts to 100-150 riders by over 50%
- o 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

**Occupy Wall Street, Activist & Researcher**

2011-09-17-2013-05-01

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

**ALIGN (Jobs with Justice NYC), Online Organizer**

2010-06-01-2011-12-01

<http://alignny.org>

- Managed online strategy for successful citywide campaign to keep Walmart out of New York City -- growing email list by 38% and generating tens of thousands of YouTube views

**SEIU (Service Employees International Union), Organizer**

2009-09-01-2010-03-31

<https://seiu.org>

- Contributed to national campaign to organize Sodexo food service workers through on-the-ground committee building and leadership development

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**EDUCATION****Harvard University**

2000-09-01-2007-06-01

BA Performance &amp; Media Studies

- Summa Cum Laude Thesis
- High Honors in Major

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**SKILLS****Languages:** Scala, Java, JavaScript/ES6, Ruby, Racket**Paradigms:** Functional Programming, Agile Development, Full-stack Web Development, Mobile Development, Network Programming, Object-Oriented Programming, Actor-Oriented Programming, Reactive Programming**Libraries/Frameworks:** Akka-Streams, Akka-Http, RxJava, React/Redux, React-Native, Ruby-on-Rails**Dev Ops:** Continuous Delivery, Automated Testing, Go-CD, Concourse, Docker, AWS, Nginx, DigitalOcean, SSL/TLS configuration

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