

- General: Activity Lifecycle, Fragments, Broadcast Receivers, Services, XML layout, custom widgets, streaming video, camera API, Account Manager, geolocation, motion sensor, Bluetooth
- Environment: Android SDK, Android Studio, Gradle, Eclipse
- Libraries: Robolectric, Picasso, Otto Bus, EventBus, Dagger
- Reporting: Fabric, Google analytics, Localytics, Appsee
- Java: object-oriented design, multithreading, unit testing, debugging
- RESTful API: HttpGet / HttpPost, XML / JSON parsers, and experience with Retrofit
- Web: PHP, JavaScript, HTML, CSS
- Database: MySQL, SQLite, JDBC
- Tools and Technologies: MAMP, CMS, SVN, Git, Travis CI, Bamboo
- Microsoft: Visual Basic, VBA, VBScript
- Development methodology: Scrum, Kanban, with JIRA, Bugzilla, Mantis

EXPERIENCE:

Senior Android Developer - Trumpit, Inc. Jan 2015 - present

- Spearheaded development of a new type of interactive notification system over the lock screen
- Engineered a fully functional messaging app which now has over 350,000 downloads
- Utilized Android Camera API to build a robust custom camera compatible across many device types
- Formulated custom photo filters, interactive stickers, dynamic text, and touch draw functionality
- Integrated text and multimedia message capability which increased app virality by 12%
- Designed user interfaces with custom widgets and animations
- Helped developed data model and database storage

Software Engineer - Android, Aereo Inc. Apr 2014 - Nov 2014

- Simplified a large and complex codebase inherited from vendor: improved performance by 50% by removing memory leaks and replacing legacy code with corresponding Android API components
- Introduced Chromecast integration, a software release featured in articles on sites like Gizmodo
- Guest lectured for a computer science course at Massachusetts Institute of Technology
- Decreased app compile time by a factor of two and streamlined testing with continuous integration
- Created proxy server using socket programming to connect a networking library with a videoplayer

Android Developer, Marian Technology LLC Dec 2011 - Jan 2014

- Coordinated multiple aspects of development life cycle including requirements gathering, planning, code implementation, testing, deployment, and maintenance
- Created customer relationship management tool to integrate with data from a client's website
- Built and maintained applications with custom user interfaces, databases, and interactive 2D graphics
- Consulted with clients and gave advice regarding software and technology to meet their goals

Research Coordinator, Massachusetts General Hospital Jul 2009 - Jun 2011

- Designed and implemented automation scripts
- Visited and interviewed the majority surviving stroke patients during my tenure at the hospital

EDUCATION:

Boston University, Boston, MA

Thesis: "Inducible models of retinal degeneration" in collaboration with the Boston Retinal Implant Project

M.A. Anatomy and Neurobiology

May 2009

Florida State University, Tallahassee, FL

B.S. Biochemistry, B.M Music Composition

Aug 2006