

# ANDREW BOWLER

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Phone: 1-641-814-6441

GitHub: [ajbowler](https://github.com/ajbowler)

Portfolio: <http://ajbowler.github.io/website>

## SKILLS

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**Languages:** Java, C/C++, JavaScript, HTML, SQL, Python, Ruby

**Libraries and APIs:** Android, Node, ncurses, jQuery, Bootstrap, Angular, React, Jade, JSP, WebGL, Three.js, Venmo, WebSphere, Polymer, Web Speech

**Software:** Windows/Linux, Office, Git, Eclipse, Android Studio, IBM software, JIRA, Confluence, Trello, MySQL, Maven, Tomcat, Music Player Daemon

**Other skills:** Scrum Master, Repository Manager, strong verbal/written communication, business requirements documentation

## PROFESSIONAL EXPERIENCE

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### Application Developer Intern - New Business Program

June 2015 to August 2015

Principal Financial Group - Des Moines, IA

- Coded and tested user interfaces and database utilities for IT users on a scaled agile team - **JavaScript**
- Contributed to development of an email service for a life insurance E-signature service - **Java**
- Designed and presented a revamped retirement plan selection tool on a team of 7 interns to glowing stakeholder reviews. Played the roles of Scrum Master and Front End Developer - **HTML, Angular, Node, Jade, Bootstrap, Java**

### Application Developer Intern - Distributed App Hosting

May 2014 to August 2014

Principal Financial Group - Des Moines, IA

- Developed and tested enhancements for a WebSphere Application Server customer configuration tool based on user stories - **Java, JSP, JavaScript**
- Front-end developed and presented an award-winning video game with other interns promoting company recruitment. - **HTML, Bootstrap, JavaScript**
- Deployed numerous web infrastructure monitoring systems to manage various business needs. - **Java**
- Coordinated with IT business units on routine tasks, including decommissioning of legacy servers and updating shell scripts

## EDUCATION

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### Iowa State University

May 2016 (expected)

Ames, IA

**Bachelor of Science: Software Engineering**

**GPA: 3.03**

**Relevant coursework:** Data Structures, Databases, Digital Logic, Computer Architecture, Discrete Computational Structures, Computer Graphics, Software Dev Practices, User Interfaces, Object-Oriented Design, Algorithms, Operating Systems, Music Technology, Public Speaking

**Activities:** Game Development Club, Computer Science/Software Engineering Club

**Hackathons:** WildHacks 2014, HackISU Fall 2015

### University of Birmingham

Birmingham, United Kingdom

**Study Abroad:**

Studied abroad during Spring 2015

## PERSONAL PROJECTS

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- **Jamory:** songwriting Android app for saving musical ideas on the fly - **ongoing**
- **Shake Off:** WildHacks 2014 hackathon project, Android minigame utilizing Venmo API
- **M14:** web browser music player built for MPD protocol using React, Node, and a Java REST service. Played the roles of Front End Developer and Repository Manager in a group of 4.
- **Voice-A-Sketch:** Etch-A-Sketch powered by your voice utilizing Web Speech API and Polymer

## AWARDS

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- 1st place, Recruiting Gamification, Principal Intern Code Jam, 2014
- Alpha Lambda Delta, Phi Eta Sigma Academic Honors, 2013