Barry McAndrews

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Accomplished, creative and dependable student with strong initiative and knowledge of object-oriented programming looking to further his experience in software development. Core competencies include:

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| * Strong management & organizational skills * Excellent problem-solving ability * Fast learner who quickly grasps and applies new information | * Solid communication & leadership skills * Course work in cloud computing, high-performance computing systems, and web applications. |

# Technical Competencies

**Programming Languages**: C, C++, Java, Python (3.7), JavaScript (ECMAScript 2017), Objective-C, Swift, MATLAB, Bash, Assembly Language (MIPS), Perl, SQL

**Development Tools:** IntelliJ IDEA (Android Studio), Eclipse, JUnit, Maven, Gradle, Git, XCode, Carthage, CocoaPods, Node.js, Flask, Spring Boot, Webpack, Babel, Docker, Kubernetes

**Management Software:** Atlassian JIRA, Axosoft, GitHub Projects, Atlassian Bitbucket, Asana

**OS**: Windows, Linux (Debian, Red Hat, OpenWrt), Unix (macOS)

# Work Experience

**Software Development Intern** June 2017 – August 2017

ARRIS | Horsham, PA

* Planned and implemented REST API using Spring Boot that will replace current customer support system
* Designed Vue.js frontend for managing ARRIS devices that consumes the mentioned REST API
* Overhauled existing reporting site to display relevant information from a PostgreSQL database
* Created software update script that was deployed to all customer servers
* Engaged in daily scrum meetings with the Engineering Services team

**Lead Mobile Developer** June 2016 – January 2017

Musical Minds LLC | Newtown, PA

* Led development team and planned agile sprints for Musical Mind’s iOS app
* Architected Objective-C data structures to effectively interact with Spotify, Deezer and Apple Music APIs
* Reviewed and refactored code submitted by the development team before merging it
* Wrote RESTful API routes per best practices for communication with the Python Flask backend
* Designed and produced detailed mock-ups of the iOS app in Photoshop for the development and marketing teams
* Published internal style guide and documentation for the iOS app

**Developer Intern** September 2014 – September 2015

Tonic Design Co. | Philadelphia, PA

* Tested and recorded bugs in Android apps for the quality assurance team
* Prepared and delivered a presentation about the benefits of peer programming
* Participated in agile sprint planning meetings with the Android development team
* Completed programming and styling tickets in the Android product backlog

# Education

University of Pittsburgh | Swanson School of Engineering

Major: Computer Engineering • Graduated: May 2019

# Other Interests

**Eagle Scout** (Awarded February 2015)