

Alexander L. Rivera

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EDUCATION

Temple University | College of Science and Technology | Philadelphia, PA Aug 2014 - May 2017
Bachelor of Science in Computer Science | GPA: 3.16

TECHNICAL SKILLS

Java	C	Python	C++	C#	Objective-C	MySQL
Javascript	HTML	CSS	PHP	Android	iOS	Unity
jMonkey	Django	MATLAB	BeagleBone	Arduino	Raspberry Pi	OpenCV

TECHNICAL EXPERIENCE

NASA | Research and Development Engineer Intern | Hampton, VA May 2016 - Aug 2016
Researched and implemented an obstacle detection algorithm using OpenCV for an autonomous drone. Implemented networking protocols to allow interprocess communication between hardware components.

Nasdaq | Software Developer Intern | Philadelphia, PA Sept 2015 - Dec 2015
Built a FIX-compliant messaging gateway to route option messages to stock exchanges through Bank of America Merrill Lynch using Java. Implemented stock option trade verification and error logging.

Comcast | Android Software Engineer Intern | Philadelphia, PA May 2015 - Aug 2015
Implemented the Facebook Share Dialog for Xfinity Share enabling users to post pictures and videos to Facebook through their set top box and mobile phone.

Let's Get Ready! | Math Coach and Site Director | Philadelphia, PA Sept 2014 - May 2015
Created lesson plans to teach math concepts and SAT test-taking skills to a small class of high school students. Promoted to Site Director. Developed strategies to recruit more coaches and students for participation in the program.

Philadelphia Game Lab | Software Engineer Intern | Philadelphia, PA Oct 2014 - Feb 2015
Developed Lux, an open-source framework for updating player game states across multiple clients.

TECHNICAL PROJECTS

ParKey | iOS and Arduino Application | PennApps Jan 2016
Developed a Bluetooth low energy application that allows users to instantaneously pay for parking once they have parked their car.

Outage Outreach | Java Application | Comcast Intern Challenge Aug 2015
Built an outage notification system integrating existing platform services in Java to dispatch SMS notifications in the event of a service outage to Xfinity customers.

SecureMi | Android Application | Google's Hack 4 Humanity Dec 2014
Implemented a custom Android lock screen that hides a user's media files upon entering a secondary pin. Built in 48 hours as part of Google's Hack 4 Humanity Hackathon.