

## **Andrew Banks**

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**Degree** Bachelor of Computer Science, Minor in Astronomy (Expected date of graduation: December 2018)

### **Education**

- University of Maryland College Park
- Related Classes: CS 422 Machine Learning – CS 420 Data Structures – CS 434 Human Computer interaction CS 435 Software Engineering – Advanced Java – Advance Web Technologies – Astro 330 Solar System Astro 300 Stars and Stellar – Astro 398B Black Holes

### **Technical Skills/ Coding Languages**

- Java, Linux, Python, C++, C#, C, Java script, HTML/CSS with APEX and Salesforce, SQL, Opencv, Scikit-learn, experience with the agile development cycle
- Software engineering, Image processing, Computer vision, Machine learning, Augmented Reality

### **Experiences**

- White House Internship:  
Software Application Interns work with the Software Automation and Technology (SWAT) Team helped computer usage and business processes in the Executive Office of the President, provided software development, business process, and engineering services.
- Lockheed Martin Software Engineering Internship:  
As an intern, I was on the Atlassian tools team in enterprise operations. My tasks focused on introducing testing automation to the tool sets and data analytics.
- Software engineering: Developed and published a chrome plugin that allows encrypted messages to be easily sent through gmail using pgp encryption. It is available here. <http://vaccine.cs.umd.edu/index.html>
- Yale Hacks 10/2016:  
Created an app where looking at logos would display real time stock information in augmented reality using the Nasdaq API, C#, Unity, Vuforia SDK, and a PHP server.
- Hopkins Hack 10/2016  
Created a Family Budget Monitor in real time with various IOT devices such as pebble smart watch and Amazon Echo. Used C, java, and Capitol One Nessie API.
- Other Hackathons attended: UMBC, Hack NC Chapel Hill, Bit Camp UMD, M Hacks
- Other Creations: Shoe Buying Bot - MYO arm band game – A physical platform that balances a ping pong ball using image processing.
- Used an LED Strip lights to show sentiment analysis of incoming tweets using java, tweet invi, and the metamind api

### **Leadership**

- Terrapin Hackers team leader at Hopkins Hack and Yale Hack
- Gymnastic Team UMD traveling gymnastics team, Free Style, Tricking, acrobatic team leader
- Physics project team leader
- Boys Scouts of America Scout leader

### **Activities**

- Gymnastic, tricking, vault, tumbling, Scuba Diving certified, Fishing, Hiking, Karate, Life scout