**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

* Lockheed Martin Software Engineering Internship: 5/22/17 - present

As an intern, I was on the Atlassian tools team in enterprise operations. My tasks focused on introducing testing automation on the tool sets and data analytics.

* White House Internship: 6/2/15 – 7/24/15

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.

* Software engineering: 5/2017

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

**Special Interest**

Promoting of Healthier Living and Healthier Life Styles and Kindness and Tolerance and Respect of One Another

As a leader and member of the Gymkana a student organization in the department of UMD Public Health, I was able to be involved with the promotion of healthier, kinder living environment for all students. We initiated a student organization that encouraged healthier living habits through drug free, alcohol free, and community service. We did it thru encouraging all-inclusiveness and diversity on the team of all skill levels and acrobatic performances throughout the elementary and middle schools. Our team members were required to demonstrate healthy living life styles by committing to live a drug free, alcohol free lives and 10 hours of active physical fitness per week. In addition, we were advocates of inclusiveness and celebrating diversity. We welcomed and embraced all race, gender, religion and culture.

I understand how a corporation can be positively energized by diverse perspectives and experiences that come from diverse race, ethnicity, gender, age, and religion as well as different learning abilities, socioeconomic status and national origins.

As a candidate with a very diverse back ground, I look forward to continuing to give my contribution to adding to a corporation that will welcome diversity in their work place.