

Andrew Banks

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<http://zorodome.com/> <https://github.com/andrewbanks17>

19 Year Old; Expected graduation date: May 2018

Job Experience

- White House Intern: Executive Office of the President: Software and Automation 5/2015-8/2015
- Created a Goods and Services request form tracking application for requests upwards to \$3,500,000
- Created an application for emergency preparedness.

Education

- University of Maryland College Park (Currently enrolled 3rd year)
- Montgomery College, Rockville Maryland (enrolled as High school student) GPA 3.9
- Phi Theta Kappa National College Honor Society member/ Deans List

Projects (Outside of classroom)

- HackUMBC Baltimore Maryland: Created 9/2014
Created an simple android game
- HackNC Chapel Hill 10/2014
Created a simple game where you manipulated a ball with a MYO arm band
- Bitcamp University of Maryland 4/2015
Manipulated a led strip to show sentiment analysis of incoming tweets
- MHacks University of Michigan 2/2016
- Hopkins Hack 10/2016

Capital One Family Budget Monitor real time

I lead my group to create a budgeting system that can access from various iot devices such as the pebble smart watch and Amazon echo. I focused on using the pebble watch and integrating the Capital one nessie api into the devices. The watch was programmed in c and it communicated through a smart phone running the pebble app programmed in java. I then used post and get request to the nessie api to grab data about customers and successfully displayed the total budget remaining onto the smart watch. The watch also displayed the latest purchase, and if a family/user was going over budget.

- **YALE HACKS 10/2016**

Built an Augmented Stock Visual in 3 D

My project overlays stock information live by grabbing data from the nasdaq api and rendering it over logos using unity in real time.

I used c#, unity, vuforia sdk, and a php server grabbing data from the nasdaq api. It overlays stock information live in augmented reality.

- Created an Animatronic hand
- Created a Bot to buy shoes so that buyer can be one of the first to make purchase

Technical Skills/ Coding Languages

- **Java, Linux, Python , C++, C#, C, Javascript, HTML/CSS with APEX and Salesforce**

Computer Science Classes/ Related Courses

CS 422 Machine Learning __ CS 420 Data Structure__CS 434 Human Computer Interaction

CS 435 Software Engineering__CS 250 Discrete Structure__ CS 289 Rise of Machine

Computer Systems__Object Oriented__Java__Advance Java__ Digital Tools Visual Arts

Advance Professional Web Technology __ Astro 300 Stars and Stellar __ Astro 340 Universe

Astro 330 Solar System __ Astro 398 Black Holes

Activities

- Boy Scouts of America, Life Scout 2004-2014
 - UMCP Gymkana team member (gymnastics, tricking, vault, tumbling •
- Scuba Diving certified, Fishing, Hiking

Leadership Positions

- Terrapin Hackers team leader at Hopkins hack and Yale Hack.
- Gymnastic Team: Free Style movement team leader
- Physics Project team leader
- Boys Scout of America ; Patrol Team Leader