Andrew Banks

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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 (concurrently enrolled as HS student) 38 credit hours 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

    Created 2 robots that conversed with each other using spark cores

- 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 javascript. I then used post and get request to the capital one 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
    - My project overlays stock information live in augmented reality 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.

- Created an Animatronic hand

- Created a Bot using selenium web crawler and tweetinvi .net library to buy shoes so that buyer can be one of the first to make purchase

Technical Skills

- Proficient in Java, c#, Linux, Python, C, Microsoft Office

- Moderate experience in C, Javascript, HTML/CSS with APEX and Salesforce

Activities

- Boy Scouts of America, Life Scout 2004-2014

- UMCP Gymkhana team member (gymnastics, tricking, vault, tumbling)

- Scuba Diving certified, Fishing, Hiking