

# Chinagolum Adigwe

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## EDUCATION

**A. James Clark School of Engineering, University of Maryland**, College Park, MD  
Bachelor of Science Degree in **Computer Engineering**, Expected: May 2020  
Overall GPA: 3.2/4.0      Class Level: Sophomore

## COMPUTER SKILLS

### Programming Languages

C/C++, Java, Python, R, XML, Matlab, Verilog  
Exposure: HTML/CSS/ Javascript

### Software

MS Visual Studio, Eclipse, Android Studio, VMware Workstation, Arduino IDE, MS Office, PSpice, Logisim, Autodesk Inventor, Git/Github (exposure)

### Operating Systems

Microsoft Windows OSX, Apple Macintosh OSX, Linux Ubuntu

## WORK EXPERIENCE

**Instructor-Science Tech Engineering Art Math**| Idea Lab Kids| September 2017 – February 2018

- Provided child care while teaching developing students various programming concepts
- Traveled to educational institutions or teaching location within Howard County / Baltimore County
- Walked students through the designing and programming of LEGO® EV3 Robots

**Production Technician (Intern)**| Daly Computer Inc.| Rosedale, Maryland| July 2017 – September 2017

- Worked in a team setting to complete a Baltimore County Public Schools contract by a deadline
- Assisted in re-imaging operating systems of over 35,000 computers through system BIOS
- Installed various anti-theft security scripts on each computer's systems
- Inspected each device for impairments and reported damages to our repair technician

**Math Tutor**| Howard Community College| Columbia, Maryland| December 2016 – June 2017

- Provided walk-in assistance to students for math courses ranging from Algebra I to Calculus I
- Sat in on Elementary Algebra classes and assisted students with their classwork
- Tutored students about topics that are giving them trouble and provided in depth explanations

## ACTIVITIES AND HONORS

<b>Black Engineering Society</b>   University of Maryland – College Park  Member	Spring 2018
<b>National Society of Black Engineers</b>   Howard Community College  President	Fall 2017
<b>Business Fellowship</b>   Howard Community College  Member	Fall 2017

## RELEVANT COURSES

Calculus I, II, III	Differential Equations	Discrete Structures
Computer Science I, II (C++, Java)	Physics I, II	Digital Logic Design
Elements of Discrete Signal Analysis		

## ACADEMIC PROJECTS/INDEPENDENT STUDY

### Android Development

- Completed Udacity courses on creating interactive user interfaces and added additional functionality to example code
- Currently taking courses on the basics of networking and data storage
- Began the layout for my "How much house" app which when complete will be able to take in a salary or occupation and display pictures of houses and cars that one can afford based on location and desired savings

### Unmanned-Ground Vehicle (Power Wheels ®)

- Designed and 3-D printed a steering mechanism for a children's battery powered vehicle using Autodesk inventor
- Programmed a D.C. motor using an Arduino Uno to control the steering mechanism

### Automated Guided Vehicle (Vex), Computer Integrated Manufacturing (PLTW)

- Utilized VEX components to design, build, and program an AGV that is capable of finding and following a trail
- Added an Ultrasonic sensor at the front of the AGV to detect objects obstructing its path and programmed the AVG to halt until the object has been removed

### Hacker Rank ([www.hackerrank.com/ChiPlusPlus](http://www.hackerrank.com/ChiPlusPlus))

- Practice implementation of the fundamental data structures regularly

