

# Alexa Rockwell

Aspiring Full Stack Developer

arkwl.github.io

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## Education

Aug 2014 - May 2018	<b>Stony Brook University</b> <b>BS in Computer Science, Honors</b> Specialization in Systems Software Development Women in Science and Engineering Program
Jun 2016 - Aug 2016	<b>Udacity</b> <b>Nanodegree in Android Development</b> Completed a year long program teaches the tools, principles, and patterns that underlie all Android development in the matter of 3 months. XML, MySQL and working with various APIs in Java.

## Work Experience

Dec 2015 - Present	<b>EDUCodes</b> <b>Founder and President</b> Assembled and lead a team of college students who joined the initiative to make an education in Computer Science available to every student. Created the ideas behind every lesson plan, geared to teach kids of all ages about every facet of computer programming. Projected to reach at least a thousand students and will attain nonprofit status by the end of the year. Currently funded by Google's IgniteCS program.
Jun 2014 - Present	<b>Eclipse Contracting</b> <b>Junior Estimator</b> Established financial contracts with Metropolitan Museum of Art, Columbia University, and more. Calculated the cost of renovating New York City high rises, including partitions and ceiling work.
Jan 2016 - Mar 2016	<b>Harvard's WECODE 2016 Conference</b> <b>Ambassador to Stony Brook University</b> Event at Harvard University to bring women from all around the world to talk about gender equality in Computer Science. Served as a coordinator between Stony Brook and Harvard in efforts to bring participants to the event.

## Projects

**AR Test** + Learned the basics of 3D modeling and the Unity engine, and combined it with my knowledge of Android development to create an augmented reality app.

**Dijkstra's Gems** + Java program where I have incorporated dijkstra's algorithm within a mining game based off of the show "Steven Universe".

**MyBey** + A "Beyonce" themed chat bot created at Flawless Hacks, uses NLP to return contextual lyrics.

**Shell** + A program that simulates a UNIX based terminal written in C.

**ArchRover** + Hack made at MakeCU, a drone that maps the dimensions of a room by creating a matrix of the area it's within, then transmits the data to a web interface via SMS.

**Miner Node Simulation** + Honors research project which simulated mining a cryptocurrency.

**AnyMeal (iOS Application)** + Designed the graphical interface for the app.

**FIRST Robotics Team** + Instituted the "NewRoBots," team #5202 that continues to compete at FRC regionals.

## Summary

Computer Science student with interests ranging from algorithms, systems architecture, networking, or game development.

Fast learner, efficient, creative, and personable.

Proven to adapt and thrive in any new environment.

## Skills

### Computer Languages

Java  
C/C++  
HTML/CSS  
Python  
LaTeX  
SQL

### Software/Tools

Eclipse  
Git  
Android Studio  
Visual Studio  
\*nix Environments  
VMware  
Telnet  
Wireshark  
Unity & Unreal Engines  
Adobe Creative Suite  
Arduino/Raspberry Pi  
AutoCad & Suite

### Spoken Languages

English  
Spanish  
Russian