

# Alexa Rockwell

Full Stack Developer and Designer

arkwl.github.io

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New Rochelle, NY

## 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
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## Work Experience

Jan 2017 - Dec 2015	<b>Rsrchr Inc.</b> <b>Full Stack Intern</b> Utilized my varied skills to develop Rsrchr's universal research platform. Required me to complete tasks having to do with everything from front end development to server encryption.
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.  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.
Jan 2016 - Present	<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.
Jun 2014 - Dec 2016	<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.

## Projects

**Cascading Popover Menu** + Developed a script that dynamically takes a JS dictionary and populates data dynamically in a webpage.

**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.

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

## Summary

Computer Science student with interests ranging in every facet of Computer Science.

May it be 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++  
JS/HTML/CSS  
Python  
LaTeX  
SQL

### Software/Tools

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

### Spoken Languages

English  
Spanish  
Russian