

# Alexa Rockwell

Aspiring Full Stack Developer and Designer

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## Education

Aug 2014 - May 2018	<div>+</div> <div><b>Stony Brook University</b> BS in Computer Science, Honors Specialization in Systems Software Development Women in Science and Engineering Program</div>
Jun 2016 - Aug 2016	<div>+</div> <div><b>Udacity</b> Nanodegree in Android Development Completed a year long program in the matter of 3 months.</div>

## Work Experience

Dec 2015 - Present	<div>+</div> <div><b>EDUCodes</b> Founder and President 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 IgniteCSrogram.</div>
Jan 2016 - Mar 2016	<div>+</div> <div><b>Harvard's WECODE 2016 Conference</b> Ambassador to Stony Brook University 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.</div>
Jun 2014 - Dec 2015	<div>+</div> <div><b>Eclipse Contracting</b> Junior Estimator 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.</div>

## 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", a team that continues to compete at FRC regionals.

## Objective

To work and grow in a challenging enviornment where I can utilize my diverse background in development & management to participate in the creation of industry tools.

My interests lie in every facet of Computer Science, may it system architecture, to networking, to working on mobile applications.

1st Choice: Snapchat, Inc  
2nd Choice: Eleven Seven Music Group

## 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