Alexa Rockwell

Aspiring Full Stack Developer and Designer

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Education

Aug 2014 - May 2018

Stony Brook University
BS in Computer Science, Honors

Specialization in Systems Software Development
Women in Science and Engineering Program

Jun 2016 - Aug 2016

Udacity
Nanodegree in Android Development

Completed a year long program in the matter of 3 months.

Work Experience

Dec 2015 - Present

EDUCodes
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 IgniteCS program.

Jan 2016 - Mar 2016

Harvard's WECode 2016 Conference
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.

Jun 2014 - Dec 2015

Eclipse Contracting
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.

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.

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 enviorment.

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