

Alexa Rockwell

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EDUCATION

Stanford University — *Graduate Coursework: Artificial Intelligence: Principles and Techniques, Introduction to Robotics, Mathematical Foundations of Computing*

JULY 2019 - PRESENT

Stony Brook University — *BS in Computer Science Coursework: Programming for Data Science, Introduction to Cryptography, Analysis of Algorithms*

AUGUST 2014 - MAY 2018

EXPERIENCE

Apple, Cupertino, CA — *Software Engineer*

JANUARY 2018 - PRESENT

- Member of the Photos Intelligence team, maintaining graph technologies which support user-level photo features.
- Supporting scaling infrastructure and load balancing use-cases, as well as improving performance of high computation processes.
- Performed additional exploratory data analysis to make informed technical decisions.

Blackstone, New York, NY — *Software Engineer*

JUNE 2018 - DECEMBER 2018

- Enhanced interface that calculates investment fund scenarios dynamically.
- Used Chain of Responsibility and tree data structures to calculate management fees, report growth over time, and evaluate hypotheticals.

Stony Brook University, Stony Brook, NY — *Teaching Assistant for Programming Languages*

JANUARY 2017 - MAY 2018

- Held biweekly office hours to assist students with assignments written in Python, SML, and Prolog.
- Graded assignments and exams with scripts and detected cheaters with plagiarism algorithms.

Google Ignite CS, Stony Brook, NY — *Team Leader*

MARCH 2016 - JUNE 2017

- Led a team of students in an initiative to make Computer Science available to students from ages 5-16.
- Taught public school students topics ranging from 3D modeling, networking, and how to make interactive apps.

PROJECTS

Artificial Intelligence Final Project — *A semester long exploratory data analysis project around observing gun violence incidents and correlating events to federal, state funding, census data. Used clustering, neural networks and explored application of techniques such as Kaplan–Meier estimators.*

Buddy — *iOS ARKit project combined with an emotional digital assistant with the purpose of making the user feel like someone is always supporting them.*

Archie — *Image processing AI that calculates the price of an architectural floor plans from PDFs using OpenCV and Tensorflow.*

HONORS AND AWARDS

Honors Computer Science Program at SBU, Dean's List, Google Grace Hopper Conference Grant Recipient, Campus Ambassador to Harvard's WeCode Conference (from 2014-2017), Zonta Scholarship Recipient.