

# Alexa Rockwell

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## EDUCATION

### **Stony Brook University** — *BS in Computer Science*

AUGUST 2014 - MAY 2018

## EXPERIENCE

### **Apple, New York, NY** — *Software Engineer*

JANUARY 2018 - Present

- Member of the Photos Backend team, which focuses on multithreaded processes and cloud services.

### **Blackstone, New York, NY** — *Software Engineer*

JUNE 2018 - DECEMBER 2018

- Enhanced interface that calculates investment fund scenarios dynamically, uses Chain of Responsibility and tree data structures to calculate management fees, report growth over time, and evaluate hypotheticals.
- Used Microsoft advanced technologies MSFT Visual Studio .Net, C#, ASP.NET3.0, SQL Server, and Knockout.js.

### **Softheon, Stony Brook, NY** — *Software Engineer Intern*

JUNE 2017 - APRIL 2018

- Created a dynamic query maker with Angular 4 front end and C# backend.
- Developed python scripts that automated deployment, a previously manual task.

### **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 Android apps.
- Supported by Google's IgniteCS program, 600 participating.

## PROJECTS

**Buddy** — Apple ARKit project combined with an emotional digital assistant with the purpose of making the user feel like someone is always supporting them. Made with Android Studio, Java, Firebase, and IBM Cloud.

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

## SKILLS

C#/.NET, MySQL, Javascript Node.js, D3, Python numpy, sklearn, Java, Firebase, Angular/Typescript, C++

## HONORS AND AWARDS

Honors Computer Science Program at SBU, President of Stony Brook Computing Society, Dean's List, Google Grace Hopper Travel Grant, Forbes 30 under 30 Scholar