

Education

The City College of New York	B.S in Computer Science	GPA: 3.941	Fall 2018 – Present
Stony Brook University	B.E in Biomedical Engineering	GPA: 3.56	Fall 2013 – Spring 2017

Experience

The New York Public Library (New York, NY) – Systems Engineering Intern August 2020 - Present

- **Intelligent Voice Response Service**- Creating customized phone contact flows with **AWS Connect** that processes user responses via customized **AWS Lambda** functions written using **Python** and **DynamoDB**

Bank of America (New York, NY) – Global Technology Summer Analyst Intern June – August 2020

- **Sentiment and Tag Analyzer** – Scraped over financial and regulatory documents to build an NLP language model (corpus) to clean and process documents into the proper format based on exploratory data analysis. Trained models that generated a weighted sentiment score for tags based on a category using **Python**, **Spacy**, **Gensim**, and **TextBlob**

The New York Public Library (New York, NY) – Systems Engineering Intern October 2019 – May 2020

- **Tenable-Jira Ticketing System** - Created a ticketing system that processes scan reports streamed from Tenable REST APIs, reduces the ticket load from several thousand to approximately a dozen per scan type, and converts them into tickets through Jira REST APIs using **Python** and **SQL**
- **Desktop Provisioner Server** - Built a server using **Flask** that processes HTTP requests for the creation, termination, and status check of **AWS Workspaces** (desktops) and was deployed on **AWS Elastic Beanstalk** using **Python**
- **Enhanced Image Search Demo** - Developed a full-stack web application that simulated an enhanced search query of images from NYPL's Digital Collections using **React**, **Python**, **SQL**. Built a server, using **Flask**, to supply the front-end with images filtered by the metadata extracted from **AWS Rekognition**
- **Branch Hours Retrieval for Chatbot** – Created a function within **AWS Lambda** that controlled the dialogue flow between the user and the chatbot, **AWS Lex**, in order to retrieve the branch hours of a location using **Python**
- **SMS/Voice Alert Interface Demo** - Developed a full-stack web application that enables users to send customizable messages via SMS/Voice via **AWS Pinpoint** to multiple numbers using **React** and **Express.js**. Authenticated users prior to accessing the platform with Google using the OAuth 2.0 API via the authentication middleware, **Passport.js**

Bank of America Merrill Lynch (New York, NY) – Global Technology Summer Analyst Intern June – August 2019

- **Jargon Buster** - Built a full-stack web application that enables analysts to query for reports and automates the extraction, tagging, and delineation of industry jargon using **Angular**, **Python**, **SQL**, and a REST API

Leadership Experiences

AEMB Biomedical Engineering Honor Society	President	Fall 2016 – Spring 2017
Pi Kappa Phi Fraternity	Founding Father, Warden	Spring 2016 – Fall 2016

Skills

Languages

Python**HTML****CSS****SQL****JavaScript**

OS/Frameworks/Technologies

Linux (Ubuntu)**Windows****Flask****React****Semantic UI****Bootstrap****Express.js****Git****AWS**