# Chris Mathew

Chrismathew3@gmail.com | 973.647.4681

## EDUCATION

**Rutgers, the State University of New Jersey**                                              New Brunswick, New Jersey

**Major:** Bachelor of Science, Computer Science  **Minor:** Entrepreneurship & Psychology

**Relevant Courses:**  Intro to Computer Science, Data Structures, Computer Architecture, Calculus 1 & 2, Statistics for Research, Micro & Macroeconomics, Systems Programming, Discrete Structures 1,  Linear Algebra, Operating Systems, and Distributed Programming

**GitHub:** https://github.com/chrismathew3  (Contains all my completed projects)

## EXPERIENCE

**Barclays PLC**                                                                                      New York City**,** New York

*Summer Technology Analyst: Software & Automations Engineer*                                              Summer 2018

- Created the user interface for a internal chatbot that would conduct service requests and automate simple tasks that prior to would be a very manual, tedious, and time-consuming tasks using the Flask python microframework
- Re-Architected the codebase to incorporate APIs from teams all over the company into the chatbot integrating their sector's services into the chatbot
- Deployed a Tensorflow Machine Learning engine that greatly improved the accuracy at which the intent was mapped from the natural language processor
- Conducted Unit Tests in python on all the APIs deployed within the chatbot using the Unittest and Pytest framework
- Implemented a custom speech-to-text interface utilizing Microsoft Azure's speech recognition REST API by building a python client wrapper around the API endpoint

**The Idea Makers**                                                                                       Ridgewood**,** New Jersey

*Software Engineer Intern*                                                                                       Summer 2017

- Begun the redesign of the company webpage by using Illustrator to design the layouts for the site and HTML/CSS & JavaScript to create the front-end of the landing page
- Added user-interface features such as a search engine and a messaging component into an IOS app using Swift in Xcode and Firebase
- Integrated the mailgun API into the company's Project Estimation Tool (PET) to automate the email sending process after a user entered his/her information and project request into the application

## LEADERSHIP & PROFESSIONAL DEVELOPMENT

**Northeast Greek Leaders Association (NGLA) Conference**                                 Pittsburgh, Pennsylvania

*Leader*                                                                                              February 2016

- Attended a 3-day conference with  the purpose of learning how to better my organization
- Attended various seminars structured around improving my organization's structure, being a better leader, and how to manage an organization

**Alpha Phi Delta Fraternity –Delta Beta Chapter**                                       New Brunswick, New Jersey

*President*                                                                             January 2016 – December 2016

- Created a strong participation in Dance Marathon and volunteer work as an organization by enforcing a minimum 15 hours of volunteer work per member and enrolling 1/3 of the chapter in Dance Marathon from positions such as fundraisers to dancers and managers
- Decreased chapter meeting time by communicating with chapter position holders and requiring them to pre-plan their part for the meeting
- Led an organization originally size 20 into an organization of size 41 by hosting more recruitment events, hosting an annual formal, and promoting more social events in conjunction with other Greek organizations

*Recruitment Chair*                                                                 September 2015 - December 2015

- Planned, organized, and coordinated a semester-long recruitment intake program by engineering new recruitment events targeted towards acquiring upperclassmen resulting in 15 new members
- Directed and delegated 10  recruitment events to promote membership values and entice potential new members

## OTHER SKILLS & INTERESTS

**Computer Languages:** JavaScript (Medium), HTML/CSS(Medium), Java (High),  Python (High), Swift (Medium), C/C++ (High)