Jonathan Pinto

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Education: *Rutgers University, School of Arts and Science*   Expected graduation: May 2021
Intended: Bachelors of Science in Computer Science
John F. Kennedy Memorial High School

Skills: Java (Advanced), C (Advanced), Python (Intermediate), Html/CSS (Intermediate), Javascript/Typescript (Intermediate), Angular (Beginner), SQL (Beginner), Kotlin (Beginner), Linux (Intermediate), Git (Intermediate)
Coursework: Data Structures and Algorithms, Computer Architecture, Systems Programming, Software Methodology, Databases, Intro to Artificial Intelligence, Internet Technology
Current Cumulative GPA: 3.858

Experience:
Technology Summer Analyst at Morgan Stanley - June 2019 - August 2019
App Dev Summer Intern
- Project: A machine learning-as-a-service platform that allows users to either build models by training algorithms or test pre-existing or saved models
- Saved internal teams weeks of unnecessary communication among different teams at different levels
- Will be used by Dev Teams, QA Teams, Business Teams, Operations Teams, and Business Analysts
- Created Java services and a RESTful API using Spring, Apache CXF, and Apache Tomcat
- Created frontend using Angular 8 and Bootstrap 4
- Exposure to NLP, SDLC, Agile, Full-stack development, DB2

Office for Diversity and Academic Success in the Sciences (ODASIS) - Fall 2017 - Spring 2019
Supplemental Instructor for Calculus I
- Making lesson plan and teaching weekly sessions for Calculus I
- Administering quizzes and aiding students in exam-taking skills.
- Providing resources and other pertinent information to first-year students that will enable them to excel in Calculus and at Rutgers University.

Projects:
RU Home (24 hour Hackathon Project) - Winner of the "Best Use of Twilio" award
- Smart doorbell that alerts the homeowner of who is at the front door
- Mobile App using Flutter. SMS Integration using Twilio. Facial Recognition using Microsoft Azure. Backend/Database using Google Firebase.
- I was responsible for making the flutter app that allowed the users to upload images of multiple people to firebase

Handwriting Recognition (Personal Project)
- Classifies handwritten digits and English letters trained from the Emnist ByClass dataset using a neural network with an accuracy of 82%
- Uses TensorFlow and NumPy for the neural network. Does not use Keras
- Uses Matplotlib for graphing model accuracy and Tkinter as a user interface to test the user's handwriting

Version Control (4 week School Project)
- Made a version control system using C that allows users to perform many standard Git commands, such as push, commit, pull, create, destroy, rollback, get history and the current version, add/remove, etc.
- Biggest Challenge was to organize different users and their individual files/directories using manifests
- Uses SHA-1 hashing and compresses files before sending from server to client or vice versa

Activities:
- Undergraduate Student Alliance of Computer Scientists (USACS)   Fall 2017 - Present
- Rutgers Creation of Game Society (RUCOGS)   Fall 2017- Present

Github Link: https://github.com/pintojonathan11

Linkedin Link: https://www.linkedin.com/in/jonathan-pinto-054306153/