Raymond Yung

(516)-469-0726 | Raymond.Yung@drexel.edu | rayyungdev.github.io

Education

Masters of Science in Electrical Engineering

Drexel University, Philadelphia PA   Completed June 2022 | GPA: 3.68

Bachelors of Science in Electrical Engineering

Drexel University, Philadelphia PA   Completed June 2020 | GPA: 3.00

Skills

Programming Languages: Python, Javascript, Matlab, Powershell

Technical Skills: Machine Learning, NLP, Pattern Recognition, Digital Forensics

Relevant Projects

Interview Bot   *July 2022 - present*
- Developed an interactive FAQ bot to respond to commonly asked interview questions
- Built a database that consists of over 100 interview questions
- Created using sci-kit learn and spaCY (natural language processing toolkit)

Blog / rayyungdev.github.io   *July 2022 - present*
- Designed and created a personal site from scratch to as a means to learn React and showcase personal projects
- Built using Gatsby as a static site generator that is now hosted on GitHub

Resume Builder   *July 2022 - August 2022*
- Developed a resume building application that can build different resumes that depend on purpose
- Created multiple databases to organize and pull relevant job information
- Utilized Object Oriented Programming to create a data interpreter and a resume template

DialogRPT / NLP with Deep Learning   *March 2022 - June 2022*
- Built deep learning models to predict engagingness of dialog responses based on reddit data
- Implemented CNN and LSTM architecture and achieved comparable score with literature
- Set up virtual desktops using AWS

Predicting Social Vulnerability   *March 2022 - June 2022*
- Used binary classification techniques to predict how vulnerable a household is
- Implemented logistic regression and Naïve Bayes algorithms from scratch
- Strategized with team to better understand how to preprocess social vulnerability data

Cell Segmentation and Tracking Algorithm   *September 2020 - April 2021*
- Optimized thresholds for phase contrast algorithm leading to more accurate cell tracking scores
- Worked with large datasets containing cell images
- Led to competitive submission for the Cell Tracking Challenge
- Used cell tracking and segmentation software created by Dr. Andrew Cohen

Professional Experience

Privacy and Security Intern

Health Partner Plans   *Philadelphia, PA, April 2019 - December 2020*
- Managed data access through company governance software
- Automated daily computer activity reports with Powershell to improve efficiency
- Collaborated with IT Staff to promote cybersecurity and role governance within company