

Raymond Yung

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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 (Skills: Python, scikit-learn, Natural Language Processing)

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 (Skills: React, Gatsby, Web development)

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 (Skills: Python, Object Oriented Programming, Database)

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 (Skills: Pytorch, Deep Learning, AWS)

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 (Skills: Python, Machine Learning)

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 (Skills: MATLAB, Image Processing)

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