Raymond Yung

Electrical Engineer / Data Engineer / Python Developer

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Skills

Python
> Tensorflow, keras, sci-kit learn, pytorch, discord.py pandas, ctypes, cv2

Matlab (Toolboxes)
> Image Processing, Bioinformatics, Deep Learning

Relevant Experience

NLP with Deep Learning Project / DialogRPT
March 2022 – June 2022
- Goal was to score reddit comments using methods proposed by Gao et al.
- Compare the original model to CNN and LSTM architecture.
- Built with Pytorch API
- Collaborated with team using Git and successfully utilized their code to build models

Predicting Social Vulnerability using Machine Learning:
March 2022 – June 2022
- Use binary classification techniques to predict how vulnerable a household is
- Built decision trees, naïve bayes, and logistic regression algorithms from scratch
- Strategized with team to understand best preprocessing methods
- Used PCA analysis to understand the impact of features

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

Work Experience

Health Partner Plans   **Philadelphia, PA**
Privacy and Security Intern   April 2019 – December 2019
- Worked with company governance software to manage data access
- Automated daily reports with Powershell to save manpower
- Cooperated with IT Staff to promote cybersecurity and role governance within company

Education

Drexel University   **Philadelphia, PA**
Master of Science in Electrical Engineering   September 2020 - December 2022

Drexel University   **Philadelphia, PA**
Bachelor of Science in Electrical Engineering   September 2015 - June 2020

Relevant Coursework

Machine Learning and AI	NLP with Deep Learning
Applied Machine Learning	Cell and Tissue Analysis
Pattern Recognition	Probability for Engineers
Digital Forensics	Fundamentals of Systems