RAYMOND PANG

https://stirfrypapi.github.io • pangr@umich.edu • 917.916.0995 • Ann Arbor, MI

Education

UNIVERSITY OF MICHIGAN *September 2016 - May 2020*

B.S. ***Data Science****, concentration in* ***Computer Science***

Computer Science Coursework:
- Data Structures & Algorithms **(C++)**
- Database Management Systems **(SQL, MongoDB)**
- Web Systems **(Python, Javascript)**
- Computer Security

Data Science Coursework:
- Applied Regression Analysis
- Data Mining **(R)**
- Data Manipulation **(Python)**

Experience

Prof. Alanson Sample, University of Michigan Ann Arbor, MI

Software Engineering Researcher *January 2020 – Present*

- Worked with two engineers to create an interactive project that used classification techniques to detect user hand gestures using Teensy's for data handling, scikit-learn for machine learning, and Python's Kivy library for the user interface
- Deployed the project to Prof. Sample's students, collected user feedback, maintained the repository, and hosted documentation on Github Pages for smooth transition to open source the project repository
- https://yasha.xyz/T4Train/

New York Mortgage Trust New York, NY

Software Engineering Intern *June 2019 – July 2019*

- Saved traders from manually joining data in Excel by developing a GUI application using the PyQt library that loaded Excel sheets and allowed traders to quickly join sheets
- Brought power of data exploring to higher executives by building pipeline of AWS S3 crawlers using the boto3 library to organize pools of loan data that allowed for dashboard creations in Tableau
- Automated asset management workflow by creating crawlers to record monthly mortgage data from mortgage servicers and inserting data into internal database using shell scripting, Python and SQL

Capital One Arlington, VA

Software Engineering Summiteer *May 2018*

- Worked in team of five to as frontend designer to prototype a mobile web app built with Ruby on Rails that scans item barcodes and allows user to checkout
- Created webpage that predicts most common emergency dispatch type given a zip code and time of day based on training data, winning an invite to the Capital One Software Engineering Summit

Relevant Projects

Instagram, Remade *September 2019 - October 2019*

- Implemented an Instagram clone with server side and client side dynamic pages that supported interactive features like comments and posting using SQLite and REST API’s for backend requests, JavaScript for smooth user experience, and Python’s Flask library to render pages