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Education

Swarthmore College | B.A. in Computer Science

May 2024

Relevant Coursework: Data Structures and Algorithms, Computer Systems, Machine Learning, Algorithm Design,
Software Engineering, Mobile Robotics

Technical Skills

Computer Languages: (Proficient): Python

Computer Languages: (Familiar): C++, Java, JavaScript, Bash, SQL, HTML, CSS

Technologies: Git, Linux, Django, PostgreSQL, sklearn, TensorFlow/Keras, Flask, NumPy, Pandas, ReactJS,
Material-UI, Slack

Experience

Software Engineering Intern, PureUX (remote)

June - August 2023

- Created backed support for web application using Django and Django REST API framework
- Organized data using PostgreSQL database management system
- Operated in flexible and collaborative agile work environment

Information Technology Intern, Keystone Human Services | Harrisburg, PA

July - August 2022

- Implemented various hardware and software solutions for employees

Project Developer, Swarthmore College Department of Engineering | Swarthmore, PA

July - August 2021

- Created Robotics Software project designed to teach Engineering students fundamentals of coding

Selected Projects

Bet-Tracking iOS App | Python

- Created Flask server that uses Sqlite3 to manage database of results from sports contests and provides this information to iOS App that tracks sports-betting for user
- Obtained published data through web-scraping and used Pandas to process data

Machine Learning Stock Prediction Program | Python

- Designed a Sequential Machine Learning model using the TensorFlow/Keras platform to predict behavior of stock prices
- Cleaned and prepared historical stock market data for ML model using sklearn pipelines and evaluated success of model using sklearn cross-validation

Reddit Recipe Bot | Python

- Utilized PRAW to access reddit API and scrape images from GifRecipes subreddit
- Converted Gif to images that were prepared for Optical Character Recognition using OpenCV2
- Used Tesseract OCR to create print-out of ingredients and directions for the recipe