Rosemary Fortanely

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Work Experience

Software Engineer Intern

Snap Inc.

Summer 2020 Seattle, WA (Remote)

Designed and implemented a testing framework for Android VTS and CTS compatible with the Spectacles. Coded a **gRPC** API, **Go** server, and **React JavaScript** web app to initiate tests and display results.

Software Engineer Intern

Microsoft

Summer 2018, Summer 2019 Sunnyvale, CA & Redmond, WA

Created spec for UX design of Microsoft Edge browser settings in Intune portal. Wrote programs in **C#** and **TypeScript** to provide Intune cloud support for Microsoft Edge browser settings. Used Excel to create a Power BI report generated from logging analytics.

Computational Materials Researcher

The University of Texas at Austin

Summer 2017 Austin, TX

Researched and implemented optimization algorithms using **Python**. Generated and presented visualizations of hyperparameter tuning with **NumPy**.

Projects

Variational Autoencoder for Text Generation

Created a **VAE** for text generation, conditioned on sentiment. Preprocessed Amazon reviews with **NLTK** and created relativized word embeddings with GloVe. Designed and trained a VAE containing an **LSTM** encoder and **CNN** decoder with **PyTorch**. Wrote a final report in the style of a NeurIPS submission.

Stuart Bot

Created a Twitter bot that tweets photos of Stuart the cat using computer vision. Utilized Onion Omega 2+ to capture pictures from a video feed and **Python** and **ResNet-50** to identify objects and tweet if a cat is present in the scene.

Pets 4 Me

Worked in a team of 6 to create a website that consolidates information about adoptable pets, dog breeds, cat breeds, and shelters. Coded the schema and API with **Python**, **Flask**, **Flask-Restless**, and **SQLAlchemy**, as well as designed and styled the front-end with **TypeScript**, **JSX**, and **CSS**.

Education

B.S.A. Computer Science

The University of Texas at Austin

December 2020 Austin, TX

- GPA: 3.5
- Minor: Studio Art
- Relevant Coursework:
  - Neural Networks
  - Data Mining
  - Natural Language Processing
  - Software Engineering
  - Algorithms
  - Data Structures
  - Probability
  - Linear Algebra

Skills

Languages

Python Go JavaScript TypeScript HTML CSS Java C++

Machine Learning Technologies

PyTorch Scikit-Learn Matplotlib NumPy Pandas NLTK

Machine Learning Algorithms

Regression Decision Trees KNN Naive Bayes SVM Clustering Association Analysis MLP CNN FCN TCN RNN LSTM VAE

Computer Skills

Linux Jupyter Bash Git GCP