Rosemary Fortanely

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Work Experience

Software Engineer
Snap Inc.

📅 February 2021-Present   📍 Seattle, WA (Remote)

Working on build systems for Snap Labs Platform team.

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.

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**.

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.

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

Web Development

Flask-Restless | Flask | REST API | gRPC | SQLAlchemy | SQL | React

Computer Skills

Linux | Jupyter | Bash | Git | GCP