

Rosemary Fortanely

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codesmary.github.io

github.com/codesmary

Work Experience

Software Engineer

Snap Inc.

February 2021-Present

Seattle, WA (Remote)

Working on the SnapOS 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