

Rosemary Fortanely

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codesmary.github.io

Education

The University of Texas at Austin

B.S.A. Computer Science
Additional Minor: Studio Art
GPA: 3.5 • December 2020

Skills

Languages

Python • Go • JavaScript • Java
C++

Machine Learning

PyTorch • Scikit-Learn • Matplotlib
Neural Networks • Data Visualization

Web Development

Flask • REST API • gRPC
SQLAlchemy • SQL
React • HTML • CSS • JSX

Relevant Coursework

Neural Networks, Natural Language
Processing, Data Mining, Software
Engineering, Algorithms, Data Structures,
Probability, Linear Algebra, Calculus I-III

Work Experience

Snap Inc.

Software Engineer Intern *Summer 2020*

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.

Microsoft

Software Engineer Intern *Summer 2018, Summer 2019*

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.

The University of Texas at Austin

Computational Materials Researcher *Summer 2017*

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**.