

# Rosemary Fortanely

@ elizabeth.fortanely@gmail.com

codesmary.github.io

github.com/codesmary

## Work Experience

### Software Engineer

[Snap Inc.](#)

February 2021-Present

Seattle, WA

Creating visualizations of build artifact metrics for Spectacles. Using **Python** to generate metrics, contribute to metrics API, and upload metrics to **GCP**. Building Grafana and Looker dashboards with **SQL** and **LookML**.

### Software Engineer Intern

[Snap Inc.](#)

Summer 2020

Seattle, WA (Remote)

Built testing framework for Spectacles. Used **Go** and **React** to create a gRPC API, server, and web app to kick off tests and display results.

### Software Engineer Intern

[Microsoft](#)

Summer 2018, Summer 2019

Sunnyvale, CA & Redmond, WA

Added features and generated visualizations for Intune. Used **C#** and **TypeScript** to manage Edge browser settings with Intune. Created Power BI reports from logs.

### Computational Materials Researcher

[The University of Texas at Austin](#)

Summer 2017

Austin, TX

Compared optimization algorithms on molecule structure for alternative energy catalysts. Used **Python** and **NumPy** to implement algorithms from papers and create visualizations of hyperparameter tuning.

## Projects

### Variational Autoencoder for Text Generation

Created and trained a model for text generation that can be varied by sentiment. Prepared data with NLTK and GloVe. Used **PyTorch** to design and train VAE containing LSTM encoder and CNN decoder. Wrote report in style of NeurIPS submission.

### Pets 4 Me

Collaborated to make website about adoptable pets, dog breeds, cat breeds, and animal shelters. Used **Python**, **Flask**, **Flask-Restless**, and **SQLAlchemy** to create schema and API. Designed and styled website with **TypeScript/JSX/CSS**.

### Stuart Bot

Made Twitter bot for cat photos. Captured photos from video feed with Linux server attached to webcam. Used **Python** and **ResNet-50** to tweet photo if cat is present.

Many more at [codesmary.github.io](#)

## Education

### B.S.A. Computer Science

Minor: Studio Art GPA: 3.5

[The University of Texas at Austin](#)

December 2020

Austin, TX

#### 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

REST gRPC SQL React  
Flask-Restless Flask

### Computer Skills

Linux Git GCP Jupyter