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: 3.4 • December 2020

Machine Learning and Artificial Intelligence Concentration

Skills

Languages

Python • Go • JavaScript • Java
C++

Machine Learning

PyTorch • Scikit-Learn • Matplotlib
Neural Networks • Classification
Clustering • Association Analysis
Data Visualization

Web Development

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

Coursework

(Current) Artificial Intelligence, Neural Networks, Natural Language Processing
(Completed) Data Mining, Software Engineering, Algorithms, Operating Systems, Computer Architecture, Data Structures, C++, Competitive Programming, Probability, Discrete Math, Linear Algebra, Differential Equations, Calculus I-III

Work Experience

Snap Inc.

Software Engineer Intern *May 2020 – Present*

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

PixReader

Made an assistive screen reader that reads text and auto-generates captions for images with computer vision, using Python, Microsoft Cognitive Services to generate captions for the images and Google Cloud Text-to-Speech to read the text.

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.