Lindsee Purnell

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PROJECTS

Cloud Probability—*Python, ReactJs*

- Open Weather Map API provides data to Python backend which makes estimations of what cloud formations may be in the sky.
- Built a RESTful API library that derived probabilities and managed resources.
- Made a frontend website using ReactJs that allows the user to interact with the webservice.

Twitter Sentiment—*Python*

- Used Twitter's Tweepy library to parse and aggregate over 10,000 tweets for analysis.
- Analyzed parsed tweets using a NLP library to determine emotional connotation of statements.
- Created view of data to show positive and negative sentiment towards the given topic.

Color Functionality— *GO*

- Contributed to an existing open source communication application, SSH-Chat.
- Leveraged Docker to develop in a containerized development environment.
- Designed a feature to give the user the ability to change their color in an active chat session.

PowerPaint— *Java*

- Implemented the Model View Controller design pattern to develop a program users can paint on.
- Designed a variety of tools for users to interact with by using Object Oriented Programming concepts.
- Constructed customization options that modify the tools when drawing.

Portfolio Website— *HTML, CSS*

- Personal website hosted in the cloud by leveraging DigitalOcean's droplet infrastructure.
- Set up Nginx to direct traffic to both the portfolio and cloud probability project.

EXPERIENCE

Corporate Functions Intern —*Weyerhaeuser, Seattle, WA.*　　　*January 2019 - June 2019*

- Facilitated in a company wide migration from SharePoint 2010 to SharePoint Online.
- Utilized Microsoft Azure Services to transfer website libraries and metadata to the cloud.
- Communicated with clients and wrote documentation for the migration.
- Designed and developed new SharePoint Online websites for multiple users.

Instructor —*Coding with Kids, Gig Harbor, WA.*　　　*May 2016 - July 2018*

- Taught programming fundamentals in Scratch to children of all ages.
- Instructed a web development class that focused on animations in Javascript and HTML.
- Presented and organized curriculum for a beginner Python class.

EDUCATION

Bachelors of Science in Computer Science and Systems　　　*September 2016 - Summer 2019*

University of Washington Tacoma, Tacoma, WA.

Classes: Operating Systems, Natural Language Processing, Java Practicum, Discrete Mathematics, C System Programming, Data Structures, Algorithms, Human Computer Interaction

Associates of Arts and Sciences　　　*November 2013 - March 2016*

Tacoma Community College, Tacoma, WA.

Portfolio Website— *HTML, CSS*

- Personal website hosted in the cloud by leveraging DigitalOcean's droplet infrastructure.
- Set up Nginx to direct traffic to both the portfolio and cloud probability project, uses Git to update project versions.