ERICA L. NEELY

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PROFESSIONAL SUMMARY

A motivated, fast learner with a strong mathematical background currently transitioning into full-stack software development, with an emphasis on the back-end. Excellent presentation and writing skills, as well as a strong theoretical background in logic, discrete mathematics, and statistics. Eager to join your team and passionate about learning new skills and tools.

EDUCATION

- University of Oxford: B.A. in Mathematics

CORE SKILLS

PROFICIENT:

- Languages: Python, HTML
- Mathematics: logic, discrete mathematics, statistics
- Flask web application framework
- Jinja templating engine
- Time management and organization
- Public speaking and presentation skills
- Clear and concise writing
- Research and analysis
- Works well independently or as part of a team
- Leadership

KNOWLEDGEABLE:

- Languages: C++, Go, Bash, CSS, Javascript
- Data visualization: Pandas, Numpy, Plotly
- Ubuntu Linux
- Git/GitLab/GitHub
- SQL/PostgreSQL/MySQL
- Regular expressions
- Visual Studio Code
- OAuth 2.0
- REST API

CERTIFICATIONS

- Certifications: AWS CCP (Certified Cloud Practitioner)
  - Validation Number VFRW00QDG21EQBSM

PERSONAL PROJECTS

MEDICATION TRACKING APP:

This is an ongoing web app project that allows a user to keep track of information about their medications, including which doctor prescribed them, what pharmacy filled them, and any relevant information about the medications themselves. It also allows users to set refill reminders.

- Back-end written in Python with the Flask framework and Jinja templating engine
- Front-end written in HTML, CSS, and Javascript
- Uses a SQLite database
- Repository: https://github.com/elneely/medication-tracker

DATA VISUALIZATION OF MUSEUM COLLECTION DATA:

This Python project uses data from the Metropolitan Museum of Art about its collection to illustrate changes in the size of its collection, acquisition trends over time, and what countries the collection's highlights are from.

- Created a Pandas DataFrame of the relevant columns from the CSV file
- Cleaned the data using Numpy, Pandas, and regular expressions
- Visualizations created in Plotly
- Plotly dash used to create an attractive dashboard of the visualizations
- Repository: https://github.com/elneely/met-visualization-project