Sarenna Roeung

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EDUCATION

Drexel University, Philadelphia, PA   Graduation Date: June 2023
B.S. in Chemical Engineering, Minor in Computer Science   GPA: 3.64
Honors: Liberty Scholars, Aspire Scholars, Engineering Leadership Scholars
Relevant Coursework: Data Structures, Advanced Programming Tools and Techniques, Introduction to Data Science,
Computer Programming I&II, Introduction to Systems Engineering, Introduction to Technology Innovation Management

SKILLS

Programming Languages: Python, R, HTML/CSS, JavaScript, C/C++, C#, Bash/PowerShell, VBA
Frameworks and Libraries: Drupal, React, .NET, Pandas
Platforms and Other Technologies: Microsoft Windows, Linux, Docker, Elasticsearch, Git, Jira

EXPERIENCE

eMoney Advisor   Radnor, PA (Remote)
Software Engineer Co-op   March 2021 - Present
- Building an OAuth (Okta) authentication page for third-party clients to access the company's API service (eMoney Access) using React and ASP.NET MVC
- Implementing functional changes to the eMoney Access Drupal site, including adding a filter to display multiple swagger versions and a content moderation view to easily access, edit, and publish content revisions
- Creating and maintaining machine learning watcher alerts using Elasticsearch to identify anomalies in API calls
- Maintaining dependencies from other teams, such as creating API keys and proxies
- Participating in SAFe/Agile practices, such as Platform Innovation Planning and Sprint Reviews

Lequieu Lab, Department of Chemical and Biological Engineering   Drexel University
Undergraduate Researcher   January – September 2021
- Developed an open-source Python package, fieldkit, to visualize and manipulate high dimensional research data
- Created a new Python interface to existing C++ code using pybind11 which increased code performance by 200x
- Implemented unit tests (via pytest), automatic testing (via GitHub Actions), and documentation (Sphinx)

MilkCrate   Philadelphia, PA
Data Analytics Intern   June – December 2020
- Generated data visualization dashboards using Google Data Studio to assist local non-profit organizations
- Developed guidelines on reporting and visualizing data as a reference for current and future employees
- Discussed with clients about their requirements for data visualization dashboards

PROJECT

Automated Curation of Spotify Playlists   Summer 2020
Personal Project on GitHub
- Created curated playlists on Spotify based on a user's top tracks through the Spotify API and Python packages
- Used machine learning algorithms to group user's top tracks and over 200,000 songs on Spotify into clusters
- Performed exploratory data analysis to optimize and update the curation of playlists