

Sarennna Roeung

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EDUCATION

Drexel University, Philadelphia, PA

B.S. in Chemical Engineering, Minor in Computer Science

Honors: Liberty Scholars, Aspire Scholars, Engineering Leadership Scholars

Graduation Date: June 2023

GPA: 3.62

SKILLS

Programming Languages: Python, HTML/CSS, JavaScript/TypeScript, C/C++, C#, Bash/PowerShell, SQL, Java

Frameworks and Libraries: Drupal, React/React Native, .NET, Pandas, JQuery

Platforms and Other Technologies: Microsoft Windows, Linux, Docker, Elasticsearch, Firebase, Git, Jira

EXPERIENCE

The Vanguard Group

Application Development Co-op

Malvern, PA

March 2022 - Present

- Writing automation scripts to automate processes on Vanguard's Enterprise Resource Planning (ERP) platform using Cucumber with Selenium

eMoney Advisor

Software Engineer Co-op

Radnor, PA (Remote)

March 2021 – March 2022

- Built an OAuth (Okta) authentication page for third-party clients to access the company's API service (eMoney Access) using React and ASP.NET MVC
- Implemented 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
- Created and maintained machine learning watcher alerts using Elasticsearch and Microsoft Teams Webhooks to identify anomalies in API calls
- Maintained dependencies from other teams, such as creating API keys and proxies
- Participated in SAFe/Agile practices, such as Platform Innovation Planning and Sprint Reviews

Lequieu Lab, Department of Chemical and Biological Engineering

Undergraduate Researcher

Drexel University

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

Data Analytics Intern

Philadelphia, PA

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

Daily Pack App

Private Project on GitHub

April 2022 – Present

- Developing a cross-platform mobile app to manage users' everyday belongings using Expo Go with React Native and TypeScript
- Utilizing Firebase to handle user authentication, and store and sync data between users in real-time