Adrien Rozario

240-328-7385 | adrien.rozario@gmail.com | Spencerville, MD | linkedin.com/in/adrien-rozario-847b68249

EDUCATION

B.S. Information Science & Data Science, *University of Maryland*, College Park, MD   Expected May 2026

EXPERIENCE

Service Desk Technician, *Engineering IT Help Desk*   2024-present
- Provided quality IT support by answering over 50 tickets to troubleshoot technical difficulties using diagnostic tools and virtual collaboration platforms, configuring network issues, reimaging computers with Windows/Mac/Ubuntu OS, conducting data backup and restore, migrating to newer systems, and ensuring technology complies with standard security and data protection regulations.
- Proficient in collecting information from customers, recording related metadata properties, documenting all processes, problem-solving with other technicians and administrators, and relaying information from the knowledge base to support the technical needs of staff, faculty, and graduates in the UMD Engineering College.

Service Desk Assistant, *Engineering IT Help Desk*   2023-2024
- Supported the operation of the EIT Computing Service Desk by conducting a variety of logistics and housekeeping tasks, preparing outdated computing hardware for recycling with Terrapin Trader, tidying and organizing the Computing Service Desk and its appending physical spaces, inventory management, and testing electronic devices for efficiency.

PERSONAL PROJECTS

Blog Website   Winter 2024
- Coded a responsive, multi-page blog website on Python using Flask and SQLAlchemy. Implemented RESTful routes to support CRUD operations and secure user authentication with password encryption. Enabled registered users to create, edit, and delete blog posts. Integrated databases for storing post and user data.

SafeTeal Website   Summer 2024
- Utilized Bootstrap in VSCode to launch a startup website for the SafeTeal App Idea, with a creative and user-friendly interface. Includes animations and interactivity features.

Automated Data Entry Role   Spring 2024
- Integrated BeautifulSoup to scrape details about San Francisco rental listings from a static cloned Zillow web page. The link, address, and price for each rental listing are stored in lists and inputted into a new Google form each time using Selenium. The program then submits the form and all results are compiled into Google Sheets.

Automated Amazon Price Checker   Spring 2024
- Coded a program that checks the price of a given Amazon product via its value with Beautiful Soup. Using the SMTP Python library, the program sends an email to the user if the price drops below their provided target price.

Musical Time Machine   Spring 2024
- Compiled a Spotify playlist out of Billboard's Hot 100 songs during a date provided by the user. Utilized the Beautiful Soup Python package to scrape the song titles from Billboard's list in that given year, then Spotify's developer dashboard to create an app. The Spotipy Python library enabled authentication, searching the songs from the Billboard list, and adding them to a new playlist.

Trivia Quiz App   Spring 2024
- Combined different pieces of data from an open trivia database API to create a quiz app, using tkinter and classes for the complex user interface. The program keeps track of the user's score as well as saving the user's score and completed questions until the trivia is finished.

Flash Card App   Winter 2023
- Implemented a flash card app in Python using Pandas to manage a csv file containing French words and their respective English translation, as well as tkinter for the flash card user interface. After 3 seconds, the card flips if

the user doesn't know the word. If they do, the word won't show up in the flashcard deck again and that information is saved each time the app is opened.

Password Manager   Winter 2023
- Designed a password manager in Python using tkinter to store and generate passwords alongside their respective email and website information. The data is then copied onto the user's clipboard and added to a json file so it is safe and locally accessible.

Portfolio Website   Summer 2023
- Coded a fully functional website using HTML, CSS, and JavaScript on Visual Studio Code and published it on GitHub Pages. The website is a portfolio with highlights from my technical resume displayed in a neat, minimalistic format easy to navigate by section. There is a project page with code snippets and a contact section.

CLASS PROJECTS

Social Media Engagement Analytics, *Exploring Technological Tools*   Spring 2024
- Analyzed metric data such as web traffic and engagement from 3 social media platforms by leveraging the Similarweb tool and conducting a survey among peers. Assessed findings to determine how privacy concerns impact social media engagement.

IT Job Postings Database, *Database Design & Modeling*   Spring 2024
- Collaborated with a team to optimize over 37,000 rows of IT job posting data, produce a database with normalized tables, create an ERD to visualize the relationships between the tables, and write SQL queries to extract valuable job posting information.

SafeTeal App Design, *Information Organization*   Spring 2024
- Collaborated with a group to design an app in Figma that allows the user to have an anonymous account, view, and post reports of sexual assault, trafficking, and inappropriate behavior in the user's provided area. The goal is to promote public safety and awareness during travels and commutes. The app applies information architecture and metadata properties to optimize search and user experience.

Statistical Computations, *Applied Probability & Statistics I & II*   Fall 2023
- Utilized R to simulate uniform and exponential distributions, display normality plots with functions, calculate minimum likelihood estimators and confidence intervals. External and built-in data sets were used to perform such statistical operations and observations.

Orders Processor, *Object-Oriented Programming I & II*   Spring 2023
- Developed a data structure system that receives customers orders and generates a report of each order in the form of files. The data is processed utilizing threads and multi-threads to perform multitasking and reduce time complexity. It is then sorted and a summary of all the information is displayed.

Interest Calculator, *Object-Oriented Programming I & II*   Spring 2023
- Created an interest calculator that allows user inputs, has functional computational buttons, and displays the calculated interests for a given amount of years accordingly using JavaFX and GUI.

Video Manager Program, *Object-Oriented Programming I & II*   Spring 2023
- Improved a system that allows a user to add videos, create playlists, and generate HTML for playlists by exploring inheritance structures and file reading.

Media Rental Manager, *Object-Oriented Programming I & II*   Fall 2022
- Implemented a program using interfaces and inheriting classes allowing a user to rent movies and music albums and receive them via email. The system obtained data accounting for limited plans, rental and removal queues, processing requests, as well as media searches and returns.

Photo Manager, *Object-Oriented Programming I & II*   Fall 2022
- Utilized arraylist methods to define a system that keeps track of photos; photos that are added, removed, and loaded, finding photos in the database, comments, sorted, and creating an HTML page to display them.

EXTRACURRICULARS

The Next Best NFL Team, *Smith Analytics Consortium's 5th Annual Datathon*   Spring 2024

- Participated in a data-focused competition with a 7-member team to learn about consulting with Deloitte employees and come up with the best options for the NFL's new team. Together we utilized Google Colab and Tableau to provide data visualizations and analyze what cities are the best options to place a team, business strategy to estimate revenue /costs and develop a promotional plan, and presentation skills to pitch the idea.

EveryGrain Website, *Kode with Klossy*   Summer 2023
- Collaborated with a team to publish a user-friendly interactive website on Canva that serves as an informative collection of statistics and data. The data sets were cleaned and displayed utilizing a multitude of packages in Python and SQL coded in Google Colab.

Lemonaid*, BITCAMP*   Spring 2023
- Worked efficiently with a team to develop a website and app that promotes lasting, healthy relationships with nutrition and the body. Offers the user personalized vitamin and water gamified reminders, earning points for timeliness and consistency. Enables the user to track their progress and unlock rewards like discounts at health-conscious stores and restaurants.
- Utilized HTML, CSS, and Javascript on repl.it to create a basic website, including a Java API for a Chat GPT feature for an interactive experience. Utilized Thunkable to create an app with buttons allowing the user to input their symptoms and receive information only from trustworthy websites, set reminders to take supplements and water, and more.

ShellTer*, TECHNICA*   Fall 2022
- Worked efficiently with a team to develop a website and app that serves as a platform for a campus community to communicate and navigate to safety quickly and effectively.
- Utilized HTML, CSS, and Javascript on repl.it to create a basic website, including a Java API for a map to track location. Utilized Thunkable to create an app with buttons allowing the user to view reports of incidents in an area, report their own incident, or validate an incident they witnessed.

LEADERSHIP

Design Team Organizer, *Bitcamp Hackathon*   Winter 2025
VP of Recruitment, *Alpha Sigma Kappa, Women in Technical Studies*   Winter 2025
Social Media & Marketing Chair, *Alpha Sigma Kappa, Women in Technical Studies*   Fall 2024

SKILLS

Languages: C++, HTML, CSS, JavaScript, Java, Python, SQL, R

Softwares: Microsoft Office, Eclipse, PyCharm, Matlab, MySQL Workbench, R Studio, Visual Studio Code, GitHub, Tableau