

Adrien Rozario

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EDUCATION

Information Science with Data Science Minor, University of Maryland, College Park, MD

Expected May 2026

PERSONAL PROJECTS

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 from French to English if the user doesn't select the cross button (if the word is unknown) or the check button (if the word is known). If the word is known, it 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

Statistical Computations, STAT400

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, CMSC 132

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, CMSC 132

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, CMSC 132

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, CMSC 131

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, CMSC 131

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

EveryGrain Website, Kode with Klossy

Summer 2023

- Collaborate 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.

SKILLS

Computers: ASUS, Lenovo, Windows OS

Softwares: Microsoft Excel, repl.it, Eclipse, PyCharm, Matlab, R Studio, Visual Studio Code

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

EXPERIENCE

Service Desk Assistant

2023-now

- Supporting 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.

Tutor

2021-2022

- Worked as a tutor in a Writing Center to provide a welcoming environment and give one-on-one attention to students. Analyzed and advised high school students, from freshmen to seniors, to improve their writing style—focusing on coherent, cohesive, and formal writing.