

Adrien Rozario

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EDUCATION

Information Science with interest in Computer Science, University of Maryland, College Park, MD May 2026

RELEVANT COURSES

<i>Foundations of Computer Science, James Hubert Blake High School, Colesville, MD</i>	May 2019
<i>Computer Programming, James Hubert Blake High School, Colesville, MD</i>	May 2020
<i>AP Computer Science Principles, James Hubert Blake High School, Colesville, MD</i>	May 2021
<i>CMSC 131, University of Maryland, College Park, MD</i>	December 2022
<i>CMSC 132, University of Maryland, College Park, MD</i>	May 2022

CLASS PROJECTS

<i>Orders Processor, CMSC 132</i>	Spring 2023
<ul style="list-style-type: none">Developed a program 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.	
<i>Interest Calculator, CMSC 132</i>	Spring 2023
<ul style="list-style-type: none">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.	
<i>Clear Cell Game, CMSC 132</i>	Spring 2023
<ul style="list-style-type: none">Designed a game that generates an animated board with random colors, and clears the squares of all adjacent squares to the one selected	
<i>Web Page Generator, CMSC 132</i>	Spring 2023
<ul style="list-style-type: none">Developed a system that generates HTML for any webpage	
<i>Video Manager Program, CMSC 132</i>	Spring 2023
<ul style="list-style-type: none">Coded a program that allows a user to add videos, create playlists, and generate HTML for playlists by exploring inheritance structures and file reading.	
<i>Media Rental Manager, CMSC 131</i>	Fall 2022
<ul style="list-style-type: none">Coded a system 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.	
<i>Photo Manager, CMSC 131</i>	Fall 2022
<ul style="list-style-type: none">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.	
<i>Passport Class, CMSC 131</i>	Fall 2022
<ul style="list-style-type: none">Tested the functionality of a class by writing Junit tests, resolved problems by thoroughly debugging	
<i>DrawingApp, CMSC 131</i>	Fall 2022
<ul style="list-style-type: none">Synthesized methods and classes to print out unique diagrams through a variety of static methods, nested loops, and conditionals	
<i>Java Loops, CMSC 131</i>	Fall 2022
<ul style="list-style-type: none">Integrated loops in different ways in order to effectively perform given tasks and generate specific results	
<i>Java Basics/Conditionals, CMSC 131</i>	Fall 2022
<ul style="list-style-type: none">Implemented programs focusing on the application of Java basic expressions and conditional statements	

EXTRACURRICULARS

<i>Lemonaid, BITCAMP</i>	Spring 2023
<ul style="list-style-type: none">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. A map is inserted to track the user's location and mark the locations of reported incidents.
- calculated interests for a given amount of years accordingly using JavaFX and GUI.

SKILLS

Computers: ASUS, Lenovo, Windows OS

Softwares: repl.it, Eclipse

Languages: C++, Basic HTML, CSS, Java, Python

EXPERIENCE

Tutor

2021-2022

- Worked as a tutor in a Writing Center to 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.

Volunteering

2019-2021

- Engaged with charity organizations as a part of Leo Club to help organize and contribute to multiple impoverished families' donation events.

Volunteering

2017-2018

- Volunteered with charity organizations as a part of the Youth Group to actively participate in homeless shelter and food donation arrangements. Provided breakfast and entertainment services in elderly homes.