# Shuo Wang

4700 Berwyn House Rd. Apt 2535, College Park, MD 20740
(508)-514-9325 shuow0138@gmail.com https://github.com/shuow0138

## EDUCATION
**University of Maryland** — College Park, MD                                        Expected May 2023
Bachelor of Science, Computer Science, GPA: 3.6
Academic Honor: Spring 2020, Fall 2020, Fall 2021, Fall 2022

## SKILLS
Programming Language: Java, Python, C, SQL, JavaScript, HTML, CSS
Operating Systems: macOS, Windows, Linux

## PROGRAMMING EXPERIENCE
**PERSONAL PROJECT**                                                            Nov 2022-Dec 2022
"Twitter" App in Android                                                          College Park, MD
• Created a social media app that allows users to share posts, follow other users and see their posts using **Java and Kotlin**.
• Implemented a database to store data using **mySQL**.
• Developed login feature, follow web-serves and post feature.

**PERSONAL PROJECT**                                                            Mar 2022-Apr 2022
Office Hour Queue                                                                College Park, MD
• Created a web application for office hour queue using **JavaScript, HTML and CSS**.
• Implemented the queue joining queue feature by adding students' names and descriptions.
• Implemented removing features to dequeue students with any order.

**[CMSC420 Advanced Data Structures]**                                          Jan 2022-Jan 2022
Euclidean Minimum Spanning Trees                                                College Park, MD
• Implemented a specific spanning tree using many data structures such as **LinkedList, Set, Hashmap and Priority Queue** in **Java** and applied algorithms like Euclidean and Prim's algorithm.
• Handle and print dependencies as a list as well as redundant priority queue entries.

**[CMSC216 Intro to Computer Systems]**                                         Jun 2021-July 2021
User Interface                                                                  College Park, MD
• Created text-based user interface to the document manager system in **C**.
• Implemented a text parsing and file I/O redirection functions based on C structures
• **Objective-oriented programming**, memory allocation and pointers.

**PERSONAL PROJECT**                                                            Mar 2021-Apr 2021
Infectious Diseases Database                                                    College Park, MD
• Created and implemented database designs and models about infectious diseases using **PostgreSQL**.
• Performed various SQL queries to visualize, analyze data and create relevant reports.

## EXPERIENCE
**Teaching Assistant**                                                          Sep 2022-Jan 2023
University of Maryland                                                          College Park, MD
• Handled individual sessions for 10+ students to fix **C** codes per day in a TA team with 2 professors.
• Assisted professors with document coordination and assignments grading for over 850 students.
• Fixed all registration and account issues and maintained students' accounts by performing **Python** codes.
**CS Tutor**                                                                    Sep 2022-Jan 2023
University of Maryland                                                          College Park, MD
• Held 5+ individual meetings to help debugging and fixing **Java and C** code.
• Supervised 2-3 small groups of mostly 4 people to help master or reinforce concepts or materials.