

# Shuo Wang

College Park, MD 20740

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## 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

### **"Twitter" App in Android**

Nov 2022-Dec 2022

PERSONAL PROJECT

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.

### **Office Hour Queue**

Mar 2022-Apr 2022

PERSONAL PROJECT

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.

### **Euclidean Minimum Spanning Trees**

Jan 2022-Jan 2022

[CMSC420 Advanced Data Structures]

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.

### **User Interface**

Jun 2021-July 2021

[CMSC216 Intro to Computer Systems]

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.

### **Infectious Diseases Database**

Mar 2021-Apr 2021

PERSONAL PROJECT

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.