Alex Tirador

University of Maryland College Park, Computer Science - Junior

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EXPERIENCE

CACI International — Reston, VA

Cyber Engineering Intern

Worked with a Frontend and Backend team to develop the Residential Proxy Service over the Summer. Collaborated with Full-Time employees and team members using GitLab and MS Teams to develop the service.

- Javascript / Svelte
- Tailwind CSS
- Docker

PROJECTS

malloc() implementation — *C Programming*

Used C to implement a simplified version of the memory allocation function malloc() from the C standard library. Heap stored using a doubly linked list which would return addresses in memory for the newly allocated blocks.

- C Programming
- Memory Allocation
- Heap Management

Data Structure APIs — *Java Programming*

Used Java to implement data structure APIs for Linked List, Binary Search Tree, Hash Table, Hash Map, and Hash Set and compared the time complexities.

- Java
- Algorithms
- Data Structures

Frontend Development — *Svelte + Tailwind*

Used Svelte and Tailwind to create a residential proxy service to sell to a client. Equipped with functional wireguard connection for any available router on the service.

- Javascript / Svelte
- Tailwind CSS
- Docker

EDUCATION

University of Maryland, College Park, MD

Expected Graduation: December 2026

Major: Computer Science
Minor: Astronomy
GPA: 2.9

SKILLS

Visual Studio Code

Eclipse

GitLab

Docker

Languages & Frameworks

Javascript

Svelte

Tailwind CSS

Python

Java

C Programming

COURSES

Java OOP I

Java OOP II

Computing Systems

Discrete Structures