

# MAJD HADDAD

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## EDUCATION

**University of Maryland, College Park**

May 2025

Bachelor of Science in Computer Science

GPA: 3.55

Relevant Coursework: Machine Learning, Algorithms, Linear Algebra, Data Structures, Data Science, Artificial Intelligence, Object Oriented Programming, Introduction to Computer Systems

## SKILLS

<b>Technical Skills</b>	Java, C++, C, C#, Python, Assembly, Linux, HTML, CSS, JavaScript
<b>Frameworks</b>	React, Node.js, Express, MongoDB, Blazor, MVS, ASP.NET, Bootstrap
<b>Backend</b>	Firebase (authentication, real-time database), Azure, SQL
<b>Cybersecurity</b>	Okta, LDAP, OAuth, SAML

## EXPERIENCE

**The Text Hub**

Jun 2024 – Aug 2024

Software Engineer Intern

- Built an API and Azure Function to migrate student scores from SQL Server to Azure SQL Database, ensuring secure, lossless data transfer for thousands of users.
- Built a secure authentication system with email confirmation and callback verification to authorize users.
- Developed a placement assessment tool using AI-generated excerpts and questions, handling front and back end.
- Led bi-weekly agile progress reviews, enhancing communication and critical thinking skills.

**Tsoftek**

Jul 2023 – Aug 2023

Cybersecurity Intern

- Specialized in Identity and Access Management (IAM) using Okta, improving data security and mitigating risks.
- Configured access controls and worked with LDAP, OAuth, and SAML to secure sensitive data.

## PROJECTS

**ANTS – Automated Identification & Mapping of Ant Joints (Capstone Project)**

- Developed an AI tool using Python scripting, Blender API, and DeepLabCut to automate the identification and mapping of ant joints from 3D scans.
- Leveraged deep learning and computer vision to process malformed ant models into poseable digital models.
- Reduced a 6-month manual process to minutes, benefiting researchers, animators, and robotics engineers.

**Flight Tracker** (JS, EJS, HTML, CSS, Express, REST)

[GitHub](#)

- Developed a dynamic web app that enables users to view real-time flight data from an API.
- Implemented features for users to access airline information, and manage flight bookings and cancellations.
- Utilized RESTful services and integrated data from third-party APIs for real-time updates.

**Restaurant Table Management System** (React, Firebase, Bootstrap, Firestore, REST)

[GitHub](#)

- Developed a full-stack web app for managing restaurant seating, table reservations, and guest tracking.
- Implemented session storage caching and cookie-based session management to optimize API calls.
- Built multi-page dashboard with dynamic table creation, sorting, filtering, and real-time guest count updates.
- Designed responsive, mobile-friendly UI using Bootstrap and React functional components with hooks.