Adam M. Mansour

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OBJECTIVE

Hardworking and energetic computer engineer student with strong leadership skills paired with the ability of complex problem solving which is suitable for working in collaborative groups.

EDUCATION

University of South Florida | Tampa, FL

- *Degree*: Bachelor of Science in Computer Engineering   Expected Graduation, May 2025
- *Focuses*: Intelligence, AI & ML, Full Stack Development,
- *Relevant Courses*: OOP, Program Design, Computer Organization

EXPERIENCE

MedServ Construction, *Full Stack Developer*   Tampa, Florida

general contracting company that specializes in medical facilities   December 2022 - Present

- Designed and developed a client login portal for handling maintenance requests, utilizing AWS Cognito for secure client access
- Implemented a scalable, full-stack environment using AWS CloudFormation and Typescript for the AWS services: API Gateway, Lambda, and DynamoDB
- Built a serverless backend using AWS Lambda and Python's FastAPI, which utilized CRUD methods to manage the creation, storage, and retrieval of maintenance requests in DynamoDB
- Developed a fully-functional frontend user interface using NextJS and React, allowing clients to preview previous maintenance requests by store location and submit new requests

The SEES Lab Research, *Undergraduate Research Student*   Tampa, Florida

CSE Research lab at the University of South Florida   May 2022 – December 2022

- Autonomous security monitoring and enforcement where the objective is to design HW/SW agents embedded in designs to mitigate security attacks
- Developing automated methods to extract patterns from SoC execution traces using data mining and machine learning techniques using first order logic
- Develop verification and testing methods to show safety and robustness of machine learning algorithms using SAT/SMT solving via the Z3 library

3xclusivecollectibles LLC, *President and Founder*   Tampa, Florida

Amazon and Ebay reselling business which sold a variety of household goods   June 2021 – May 2022

- Managed all company operations, including sales management, product management, customer relations, and inventory packaging
- Generated an estimated $60,000 in sales within two months
- Utilized e-commerce software, Ominous, to automate purchasing and inventory tracking while implementing custom scripts to streamline the purchasing and shipping process
- Led the company's expansion into the cryptocurrency market through HNT mining, resulting in increased revenue for the company

MedServ Construction, *Full Stack Developer*   Tampa, Florida

general contracting company that specializes in medical facilities   March 2021 - July 2021

- Design and implemented a new company website on AWS
- Assisted in the implementation of a contact form using AWS Lambda, API Gateway and NodeJS
- Developed a client work order form using AWS Lambda, API Gateway and DynamoDB
- Implemented a process to convert client information from an excel sheet to a dynamic database using DynamoDB and S3

SKILLS

- *Languages*: English (fluent), Arabic (fluent)
- *Programming*: Python, Golang, HTML, Javascript, C, Typescript, CSS
- *Tools/Technologies*: Microsoft Office 365, Git, Visual Studio Code, Z3 – SMT/SAT Solving, FastAPI, NextJs, React, AWS services such as Lambda, Cognito, Cloudformation, API Gateway, S3, Dynamodb
- *Soft Skills*: Report writing, Collaboration, public speaking, presentation