

Adam M. Mansour

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EDUCATION

University of South Florida | Tampa, FL

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

EXPERIENCE

VSP Vision, *Software Engineer-Cloud Operations*

Tampa, Florida

Leading vision insurance provider in the United States

May 2023 - Present

- Devised a scalable and reusable API, leveraging client tokens to efficiently identify preferred labs, enhancing the glasses ordering process. This innovation not only replaced traditional web app legacy code but also established a flexible system for potential integration in future projects
- Led the migration of an application from Angular 4 to 12, enhancing performance and leveraging new features
- Implemented the Cybersecurity software Snyk across all team products, identifying and resolving over 120 vulnerabilities, significantly enhancing software security
- Contributed significantly to the design and development of a new billing software, replacing a 20-year-old legacy system, enhancing efficiency and user experience

MedServ Construction, *Full Stack Developer*

Tampa, Florida

General contracting company that specializes in medical facilities

December 2022 – February 2023

- Pioneered a client login portal for maintenance requests, replacing inefficient text and call-based methods, enhancing overall customer service, and streamlining operations
- Engineered a user-friendly frontend interface using NextJS and React, empowering clients with a direct overview of past requests and the ability to submit new ones, contributing to a boost in client autonomy and satisfaction
- Spearheaded the development of a detailed office checklist, leading to precise tracking of office fixtures and preemptive maintenance
- This initiative streamlined contractor handovers, as they arrived prepared with the necessary tools and materials based on the checklist
- The result was significantly reduced downtime, better communication, and enhanced overall productivity.

The SEES Lab Research, *Undergraduate Research Student*

Tampa, Florida

CSE Research lab at the University of South Florida

May 2022 – December 2022

- 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 VLSI networks 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, enhancing efficiency with custom scripts that not only streamlined the purchasing process but also automatically printed shipping labels upon order placement, significantly speeding up the shipping process
- Led the company's expansion into the cryptocurrency market through HNT mining, resulting in steady revenue for the company

SKILLS

- *Languages:* English (fluent), Arabic (fluent)
- *Programming:* Python, Golang, HTML, Javascript, C, Typescript, CSS, Groovy, Java
- *Tools/Technologies:* Angular, Git, Visual Studio Code, Z3, SAT Solving, FastAPI, NextJS, React, AWS services
- *Soft Skills:* Report writing, Collaboration, public speaking, presentation, problem solving