Issam Alzouby

Charlotte NC | ialzouby@gmail.com | www.linkedin.com/in/Alzouby | github.com/ialzouby | issamalzouby.com

Education:

University of North Carolina at Charlotte | May 2025 | BS Computer Science | Concentration: Cybersecurity | GPA: 3.6
Awards: Research Grant, 5X Hackathon Winner, Best Oral Presentation in Cardiac Surgery, Chancellor's List, Dean's List

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Professional Experience:

Data Connectors Cyber Security - IT Manager   **Jan 2024 – Present**
- Streamlining HubSpot workflows for 900,000+ contacts using Power Query and OSINT verification tools
- Leading development of a membership portal and event check-in system to improve user engagement and operations
- Traveling across the US to manage conferences and engage with industry leaders, fostering collaboration and growth
- Training cross-departmental teams on system tools and processes, driving efficiency and consistent workflow adoption

UNCC AI Lab - Undergraduate Researcher   **Aug 2023 – Present**
- Spearheading iOS edge development for the Ai4Health Lab and mentoring graduate students with tailored iOS guides
- Converting PyTorch models to CoreML, enabling the use of Apple's NPU for enhanced performance on iOS devices
- Implementing open-source models using compatibility tools like Rosetta 2 for seamless execution on Apple Silicon
- Developing the lab website, conducting research and creating guides for efficient open-source model implementation

Duke - UNC Health Undergraduate Researcher   **May 2024 – Sep 2024**
- Awarded 'Best Oral Presentation in Cardiac Surgery' at the 62nd Eastern Cardiothoracic Surgical Society conference
- Partnered with Duke and UNC Chapel Hill medical students to develop an organ donor success algorithm
- Increased projected success rates by up to 94% while reducing medical staff workload
- Contributed to a research paper documenting findings and methodology as well as a state diagram for the algorithm

MTS-ISAC (Maritime Security) - Cyber Analyst Intern   **Mar 2023 – May 2023**
- Enhanced threat response by identifying malware variants through OSINT, cyber threat analysis, and historical trends
- Analyzed IPs linked to O365 and VPN spraying attacks, uncovering patterns with OSINT tools

iRepairCLT - MicroSoldering Technician   **Jan 2020 – Dec 2022**
- Provided board-level micro-soldering repairs for B2B clients across all variations of Apple devices
- Reverse engineered proprietary ASIC hashing boards and Nvidia Graphics Cards (primarily RTX 30/40 Series)

Projects:

5 Time Hackathon Winner   **Aug 2022 – Nov 2024**
- Led teams to secure awards at 5 hackathons, including the NC NASA Hackathon, Truist Immersive Experience, UNC Chapel Hill HackNC, and NC State Hackathon, by delivering innovative solutions under tight deadlines
- Utilized technologies like CoreML, Swift, SwiftData, Xcode, AWS, Google Cloud, OpenAI real-time API, C++, Python, Node.js, Django, to develop innovative solutions, showcasing technical proficiency and problem-solving skills

Devlink - Progressive Web App   **Aug 2024 – May 2025**
- Led a team of four classmates to develop DevLink, a platform connecting developers to projects
- Advanced the project as a senior capstone project, enhancing functionality and refining the user experience
- Used Django, Google OAuth, Django Auth, PostgreSQL, Cloudinary and Railway for a robust build
- Implemented real-time messaging, project matching, and secure user authentication for seamless use

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Technical Skills:

Languages: Swift | Python | C++ | JavaScript | CSS | HTML | Lisp | SQL | Java | Bash
Developer Tools: Xcode | ONNX | UIKit | SwiftUI | Cloudkit | Core Data | SwiftData | Github | Excel | Postman | Wireshark
Certifications: CompTIA Security + (In Progress), JavaScript Algorithms & Data Structures FCC, Responsive Web Design FCC, Stanford Cryptography 1 : SOE-Y0001, Microsoft Excel Professional Certification

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Extracurricular Activities:

Vintage Apple Device Restoration and Repairs | Google Developer Group Member | MAS Youth Leader | K-12 TSA Mentor |
Aerowood Aviation Pilot School | Drone Building and 3D Printing | Refugee Support | UNCC CyberSecurity Club Member