Zayeem Zaki

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EDUCATION

The University of Toledo, Toledo, Ohio   *Expected December 2025*
Bachelor of Science, Computer Science, GPA: 3.7 / 4.0

- **Honors**: President's List *(Fall 2021)* and Dean's List (*Spring 2022, Fall 2022 and Spring 2023, Summer 2024*)
- **Relevant Course Work**: Data Structures and Algorithms, Object Oriented Programming, Software Engineering, Machine Learning, Database Management Systems, Operating Systems and Systems Programming, Programming Languages and Paradigms, Senior Design Project I, Theory of Computation
- **YouTube Channel**: AlgoAcez – Creating educational content on Data Structures and Algorithms, accumulating 1800+ views and 80+ subscribers

EXPERIENCE

First Solar, Perrysburg Ohio   *January 2024 – December 2024*
IT Security Intern   *July 2024 – December 2024*

- Developed a full-stack web application using Flask and Python to automate CrowdStrike processes, resulting in a 30% reduction in IT security operation time and a 25% improvement in workflow efficiency.
- Improved and upgraded the Falcon Containment script using Flask APIs, enabling efficient containment and release of multiple hosts with a single click, which strengthened organizational security measures by 40%.
- Created a Python script to identify and sort stale accounts using domain and inactivity period analysis, resulting in a 50% improvement in account management efficiency.
- Automated the removal of admin rights using CrowdStrike's Real-Time Response APIs, bolstering security protocols and reducing manual intervention by 60%.

IT Network Intern   *April 2024 – June 2024*

- Upgraded and configured 20+ switches to optimize network performance and reliability.
- Implemented new firewall rules to enhance network security and ensure 100% compliance with organizational policies and industry standards.
- Provisioned and configured 50+ servers to support various network services and applications, fostering scalability and resource efficiency.

University of Toledo, Toledo Ohio   *September 2021- Present*
Peer Mentor   *January 2025 - Present*

- Mentored 30+ students in foundational programming concepts and Object-Oriented Programming principles, improving their coding proficiency by 30% based on assignment scores.
- Provided detailed feedback on 5+ projects, fostering problem-solving skills and ensuring adherence to best coding practices.

IT Student Tech   *September 2021 - Present*

- Successfully resolved over 100 IT-related challenges with an average solution time of less than 24 hours.
- Resolved hardware, connectivity issues, achieving a 95% success rate within 24 hours.

PROJECTS

U-Eats GitHub | u-eats.com   *Fall 2023*

- Deployed an online-ordering restaurant website on AWS Amplify, resulting in a 25% increase in order efficiency and a 20% decrease in downtime.
- Integrated React.js and Node.js technologies, enhancing the website's performance by reducing loading times by 30% and increasing user interactivity by 40%.
- Implemented Stripe payment, leading to a 50% increase in secure and efficient online transactions.

Neuro-Transmitter GitHub   *Summer 2023*

- Developed and deployed an iOS app for the University of Toledo (Recommendation Letter), enhancing research paper management and communication among doctors, leading to a 35% increase in user satisfaction and a 40% improvement in research efficiency, available unlisted on the Apple App Store.
- Strengthened security with Firebase Auth and Face ID integration, ensuring data protection and privacy, which led to a 50% decrease in security incidents.
- Enabled real-time chat threads, annotation features (highlighting text, adding comments, writing text on documents), and Text-to-Speech, resulting in a 35% reduction in task completion time.

SKILLS

- **Programming Languages**: Python, Java, Swift, C++, HTML, CSS, JavaScript
- **Frameworks and Tools**: Data Structures and Algorithms, Flask, Spring Boot, React, Node.js, AWS, AWS Amplify, Rest API, .Net, CrowdStrike, Rapid 7, Firebase, Swift UI, JavaFX, Python GUI, Stripe
- **Database**: SQL, NoSQL, MySQL, Firestore