

Zayeem Zaki

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EDUCATION

The University of Toledo, Toledo, Ohio

Expected December 2025

Bachelor of Science, Computer Science, GPA: 3.6

- **YouTube Channel:** [AlgoAcez](#) – Creating educational content on **Data Structures and Algorithms**, accumulating **1800+ views** and **80+ subscribers**.

EXPERIENCE

CCC intelligent Solutions, Chicago Illinois

May 19 – Present

Software Engineer intern

- Building a **Spring Boot** FIR application at CCC Intelligent Solutions that reduces a **2-week manual process to 2 seconds** through automation and scalable backend services.
- Created a mini **Node.js service** for Puppeteer-based PDF generation and deployed it using **Docker**, improving form rendering accuracy by 90% in a **Spring Boot + Vue.js** app.
- Built and optimized **160+** custom **HTML/Vue.js** forms, **reducing layout bugs by 70% and improving user experience across devices**.
- Developed reusable common-ui components for CCC's **flagship product**, reducing front-end development effort by over **3x**.
- Contributed to evolving **CI/CD pipelines**, **test automation**, coding best practices, and **A/B testing strategies**, enabling faster and more reliable deployments.
- Refactored a complex **Kafka consumer** to make its logic cleaner and more modular, resulting in **easier debugging, faster feature development, and improved code maintainability**.

Daffodil Studios, Vienna Virginia

September 2025 – Present

Technical Solutions Architect (Volunteer)

- Rebuilding nonprofit websites using **Vue**, **Nuxt**, **Firebase**, and **Stripe**, modernizing performance and enabling secure donation workflows.
- Maintaining legacy **Wix** and **Squarespace** sites while improving accessibility and load times for community visitors.

University of Toledo, Toledo Ohio

September 2021 – Present

Peer Mentor

- Mentored 30+ students in **OOP and Python**, improving understanding of programming fundamentals by 30%.

First Solar, Perrysburg Ohio

January 2024 – December 2024

IT Security Intern

- Automated CrowdStrike workflows using **Flask + Python**, reducing IT security operation time by 30%.
- Created script to identify and sort stale accounts, improving account management by 50%.
- Automated admin-rights removal using **Real-Time Response APIs**, strengthening security by 60%.

PROJECTS

U-Eats – 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** (explored **Next.js/GraphQL** for scalability), enhancing performance by reducing loading times by **30%** and increasing interactivity by **40%**.

Neuro-Transmitter

Summer 2023

- Deployed an **iOS app** for the University of Toledo ([Recommendation Letter](#)), enhancing research paper management and communication among doctors, available unlisted on the [Apple App Store](#).
- Delivered consumer-facing **iOS app** with real-time collaboration and accessibility features (annotations, Text-to-Speech), improving research workflow efficiency **by 35%** and enhancing user experience.

SKILLS

- Programming Languages: JavaScript (React, Vue, Next.js, Node.js, TypeScript, GraphQL), Python, Java, Swift, HTML, CSS.
- Backend & Tools: Spring Boot, Flask, REST APIs, Docker, Kubernetes, Tailwind CSS, AWS Amplify, Stripe.
- Database: SQL, NoSQL, MySQL.