ZAKI AHMAD

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EDUCATION

University at Buffalo - SUNY   **Aug 2019 - May 2023**
Bachelor's, Computer Science   *GPA: 3.5*

PROFESSIONAL EXPERIENCE

NYS Office of the Attorney General   **Latham, NY, USA**
Full Stack Developer   *Nov 2023 - Present*
- Facilitating the development of dynamic web applications for various bureaus utilizing expertise in React, ASP.NET, Azure, and TailwindCSS.
- Redesigned and streamlined complaint form system by implementing a React-based dynamic rendering solution powered by database-driven configurations.
- Developed a management dashboard enabling bureau-specific form managers to instantly update forms, significantly reducing the time and effort required to update numerous complaint forms across the organization.
- Led the front-end development of a React-based digital portal for counties and jurisdictions to submit preclearance requests for changes to voting/polling locations, ensuring seamless user experience and regulatory compliance.

Brandsbyday   **Albany, NY, USA**
Web Analytics & Development Intern   *Feb 2022 - Aug 2022*
- Analyzed user behavior and improved under-performing elements of the Brandsbyday website, resulting in a 20% increase in site engagement and a 30% increase in user retention
- Implemented improvements to the website, leading to a 20% decrease in page load time and a 15% reduction in bounce rate
- Translated low/high fidelity mockups into JavaScript and HTML and CSS for Brandsbyday clients, contributing to a significant increase in client satisfaction.

PROJECTS & OUTSIDE EXPERIENCE

Zenith   *Feb 2024 - Mar 2024*
Independent Project
- Developed a Notion-inspired document management platform using Next.js 14, React 18, and TypeScript, featuring real-time updates through Convex DB and rich text editing with BlockNote
- Implemented secure authentication using Clerk with Google/GitHub sign-in options, and integrated EdgeStore for file storage and management
- Built a hierarchical document organization system with real-time updates, allowing users to create, edit, and organize nested documents with cover images and emoji support
- Engineered public document sharing functionality with preview mode and real-time content synchronization across multiple users

Predicting Racial Disparities in Law Enforcement Interactions   *Oct 2020 - Dec 2020*
Project Lead
- Utilized R to investigate and predict the impact of law enforcement interactions on different racial groups
- Collected, cleaned, and analyzed numerous datasets containing hundreds of records, demonstrating strong data handling skills
- Built a predictive linear model that successfully forecasted the number of Black Americans who would die due to police interactions in 2020, highlighting the capability to construct and apply predictive models
- Presented findings to class peers and faculty, fostering a critical discussion around the societal issue and data science's role in understanding it

CERTIFICATIONS

Microsoft Career Essentials in Data Analysis

SKILLS

Skills: React.js, TypeScript/JavaScript, Java, C#, Node.js, Bash, ASP.NET, Python, Flask, C/C++, Git, HTML/CSS, Linux/Unix, R, SQL, MongoDB, Bootstrap, TailwindCSS, Express.js, Azure