

ZAKI AHMAD

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PROFESSIONAL EXPERIENCE

Office of the NYS Attorney General

Full Stack Developer

Latham, NY, USA

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, reducing the time to create and update forms by 500%
- 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

Web Analytics & Development Intern

Albany, NY, USA

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

Globeplot

May 2025 - Jun 2025

- Engineered an AI-powered travel intelligence platform using React, Firebase, and Mistral AI that automatically extracts structured data from travel documents, reducing manual entry by 90% and processing 100+ document types with real-time feedback
- Architected a real-time collaborative mapping system with Mapbox GL featuring intelligent coordinate clustering, automatic geocoding of 1000+ locations, and dynamic route visualization with sub-100ms performance across desktop and mobile
- Built production-ready Firebase infrastructure with advanced security rules, multi-tenant document management, and intelligent rate limiting that scales from individual users to enterprise usage while maintaining bulletproof data integrity
- Implemented zero-downtime trip sharing architecture with cryptographically secure tokens, granular access controls, and seamless real-time collaboration enabling secure itinerary sharing across unlimited 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

SKILLS

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

EDUCATION

University at Buffalo - SUNY

Bachelor's, Computer Science

Aug 2019 - May 2023

GPA: 3.5

CERTIFICATIONS

Microsoft Career Essentials in Data Analysis