

ZAKI AHMAD

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<https://www.zakisahmad.com/>

EDUCATION

University at Buffalo - SUNY
Bachelor's, Computer Science

August 2019 - May 2023

PROFESSIONAL EXPERIENCE

NYS Office of the Attorney General

IT Specialist 2 Programming

Latham, NY, USA

November 2023 - Present

- Developing and maintaining dynamic E-Payment web applications in Java and Javascript.
- Ensuring flawless integration with a sophisticated hosted payment platform to enhance user experience and streamline transactions.
- Playing a pivotal role in the migration of a legacy Enterprise Content Management system, adeptly managing content, applications, and APIs for a seamless transition.

Brandsbyday

Web Analytics & Development Intern

Albany, NY, USA

February 2022 - August 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

Quantum Quill

Independent Project

August 2023 - September 2023

- Independently developed an innovative web application that leverages OpenAI's GPT API to assist users in crafting haikus.
- Developed and deployed a custom syllable counting API using Flask
- Integrated the syllable counting API with the Next.js frontend application to accurately count syllables in user input
- Designed a user-friendly interface for real-time AI-generated suggestions
- Continuously improved accuracy of both syllable counting and AI-generated suggestion functionality
- Over 270 OpenAI requests were made within 3 days of deploying the application

Predicting Racial Disparities in Law Enforcement Interactions

Project Lead

April 2021 - May 2021

- 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: Next.js, Node.js, Bash, Figma, Flask, Heroku, JavaScript, Jupyter, Git, HTML/CSS, Java, Linux/Unix, C/C++, R, MongoDB, MySQL, NumPy, React.js, Scala, SQL, Python, TypeScript, UI/UX Design, Web Development, Webflow, Wordpress, Express.js