Zaki Ahmad

zakiahmad42661@gmail.com | linkedin.com/in/z-ahmad42661 | (518)-391-8962

Education

University at Buffalo   *Graduation*: May 2023
B.S., Computer Science   *Buffalo, NY*

Skills

Languages: Python, JavaScript/TypeScript, C, R, Bash, HTML, CSS, SQL
Libraries & Frameworks: React, Node.js, Express, Flask, NumPy
Technologies: Git, MongoDB, Docker, Linux, Figma

Experience

Web Analytics & Development Intern   Feb. 2022 - Aug. 2022
Brandsbyday   *Albany, NY*

- 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

YelpCamp | JavaScript (NodeJS), Express, HTML/CSS, MongoDB, Bootstrap

- Developed a full-stack web application providing comprehensive information on global campgrounds
- Implemented comprehensive features such as user registration, campground posting, and user review systems.
- Continually improved and optimized the code base, reducing the initial code lines by approximately 20%, resulting in increased code efficiency and readability

Predicting Police Brutality | R, RStudio, ggplot2

- Utilized R to investigate and predict the impact of law enforcement interactions on Black Americans
- 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