Zain Alsaad

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EXPERIENCE

Belmont University   *Nashville, TN*
Computer Science & Data Science Tutor   September 2024 – Present
- Tutors peers in computer science, data science, and math in related courses including Programming I-II, Computer Organization, and Statistical Modeling.
- Consistently earning top ratings in Belmont University's learning centers.

PROJECTS

Calculus Study Tool
A study tool for college students taking Calculus, with AI-generated practice problems, hints, and solutions
- Utilized my experience in website development to design and implement efficient access to study materials hosted via GitHub Pages.
- Generative AI used to create an Excel dataset comprising of practice problems, solutions, and hints covering multiple topics in Calculus.

AWS Automator
Bash script enabling shortcuts for more efficient and streamlined use of AWS servers.
- Default script automatically logs the user with one click into a secure EC2 AWS server using a key file.
- Setup bash file allows the user to set custom terminal commands to execute on launch.

EDUCATION

Belmont University   *Nashville, TN*
B.S. Computer Science & Data Science (Double Major)   Aug 2022 - May 2026
- Programming I-II, Data Structures, Linear Algebra, Discrete Math, Cybersecurity, Databases, Computer Organization, Programming Language Principles, Statistical Modeling, Bayesian Statistics

MISCELLANEOUS

Belmont Data Collaborative Hackathon   *Nashville, TN*
                                                                                                                Aug 2022 - May 2026
- Contributed and won a Hackathon collaborative sponsored by Belmont University, Fisk University, Belmont Data Collaborative, Local Tek, Amazon, Dell, and Asurion, with the goal of improving access to public transportation using data visualization tools such as Tableau.

TN HIMMS Hackathon   *Nashville, TN*
                                                                                                                            Nov 2023
- Contributed to an AI Hackathon collaborative sponsored by Slalom, Microsoft, and kore.ai with the goal of implementing artificially intelligent solutions to streamline the healthcare industry as well as access to healthcare.

SKILLS

Programming Languages: Python, TypeScript, JavaScript, HTML, CSS, , C++, SQL, Java, R
Frameworks and libraries: Power BI, React, Node, Next.js, NestJS, Tailwind, Express, Flask, , PyTorch, TensorFlow
Tools: Google Cloud, AWS, OpenAI, Heroku, Jupityr Notebook, Google Collab, Docker, Jirea, Git, VSCode, IntelliJ, TypeOrm, Axios, Tableau
Utility: Microsoft Word, Powerpoint, and Excel, English, Arabic, Bilingual, Communication, Leadership