Amir Vincent Zaman

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linkedin.com/in/avzaman

TECHNICAL SKILLS

Java, Python, PHP, C, C++, MySQL, HTML, CSS, MongoDB, AWS, Linux Server, Apache, Git, Security

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WORK EXPERIENCE

Undergraduate Researcher at Kean University   March 2023 – Current
- Optimized sorting algorithms in C for High Performance Computing environment
- Innovated parallelized sorting with OpenMP library
- Performance tested optimizations to ensure significant improvement
- Cleaned over 100,000 records from US Census and US Utility data using pandas and NumPy
- Visualized records with Geo pandas, matplotlib, and shape files for publication

Code Samurai Tutor at Kean University   Sep 2023 – Current
- Strengthened students' coding skills while adhering to OOP principles
- Taught students how to connect to Kean's VPN and Linux server via FileZilla and Putty
- Deployed students' code to web

Supplemental Instruction Leader at Kean University   March 2023 – Current
- Academically supported over 100 students for calculus and computer science classes
- Connected students with academic resources
- Introduced ESL students to campus and the support services

Project Manager at T-Red Properties Inc.   May 2018 – Dec 2020
- Aided marginalized persons with obtaining affordable housing
- Managed construction and rehabilitation projects for over 50 units
- Upgraded hardware and software for Windows workstations

PROJECTS

MongoDB NoSql Social Media Site   Jan 2024 – April 2024
- Orchestrated AWS Linux server infrastructure with CloudFront distributions
- Leveraged MongoDB PHP library for seamless data manipulation and pipelining
- Proficiently utilized logging mechanisms for debugging Apache and client-side errors
- Employed Git version control to track changes and streamline collaboration

Database Management System Webstore   Sep 2023 – Dec 2023
- Developed frontend and backend of a webstore using PHP
- Implemented MySQL stored routines for database side programming

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EDUCATION

Kean University | *Union, NJ* | GPA 3.9   Dec 2025
Bachelor of Science in Computer Science

Raritan Valley Community College | *Branchburg, NJ*   Dec 2022
Associates of Science in Computer Science

HONORS & AWARDS

- National Science Foundation STEM Scholarship: Fall 2023, Spring 2024, Fall 2024
- Dean's List: Spring 2023, Fall 2023
- Transfer Student Scholarship: Spring 2023

CERTIFICATIONS

CompTIA Security+   Oct 2022
CompTIA A+   Nov 2022