Ahmed Zahran

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EDUCATION

University of Utah — Salt Lake City, UT
Bachelor of Science in Computer Science, Minor in Mathematics — *2023 – 2025*

- Relevant Coursework: Software Practice in C#, Computer Science Theory, Computer Organization, Statistics for Engineers
- Honors and Activities: Society Of Hispanic Engineers (SHPE)

Diablo Valley College — Pleasant Hill, CA
Associate's of Science in Computer Science — *2021 – 2023*

- Relevant Coursework: Data Structures & Algorithms, Object Oriented Programming, Calculus I & II & III, Advanced C++, Linear Algebra, Differential Equations
- Honors and Activities: DVC AI Club, Google Developers DVC, AFS exchange student

SKILLS

Languages: C/C++, C#, MIPS assembly, JavaScript, HTML/CSS, Python
Tools/Technologies: .NET MAUI, CSS, Git, GitHub, Visual studio, Eclipse
Spoken Languages: English, Arabic

EXPERIENCE

Diablo Valley College — Aug. 2022 – May 2023
Student Worker (Part-time), IT support — *Pleasant Hill, CA*

- Assisted staff and students in resolving technical issues promptly.
- Optimized digital inventory processes, reducing data discrepancies
- Guided users through software installations and updates, enhancing system reliability.

UX Centers (Altice) — July 2020 – Aug. 2021
Southwestern University — *Alexandria, Egypt*

- Managed technical support for internal and external users, ensuring smooth software experiences.
- Upheld high user satisfaction by proactively identifying and resolving concerns.
- Advised customers on tech products, providing detailed explanations and recommendations.

LEADERSHIP AND SERVICE

Society Of Hispanic Engineers — August. 2023 – Present
Member — *Salt Lake City, UT*

- Consistently advocated for diversity and inclusion through SHPE initiatives, while identifying and leveraging opportunities for professional development and internships in the engineering sector

American Field Service — Aug. 2019 – Present
Volunteer — *Cairo, Egypt*

- Facilitated cross-cultural exchange and communication between exchange students in the USA, and Egypt, fostering international understanding and collaboration

PROJECTS

Spreadsheet Application | *C#, .NET MAUI, XAML*

- Developed a spreadsheet application using the MAUI framework with a 26x99 grid GUI.
- Handled front-end tasks including cell selection, value display, and user guidance.
- Managed backend responsibilities such as formula evaluations, JSON file operations with version control, and error handling.
- Integrated an autosave feature, showcasing full-stack development proficiency.
- Created a dependency graph between cells to ensure proper update propagation.
- Implemented a formula evaluator capable of handling complex computational tasks.