

# Alaa Al Shali

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## ABOUT ME

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Motivated and detail-oriented Civil Engineering graduate with strong technical skills in structural design, project planning, and construction management. Proven ability to work collaboratively in teams, solve complex problems, and communicate effectively with diverse stakeholders. Passionate about continuous learning, with hands-on experience in both academic and real-world engineering projects. Seeking opportunities to contribute to impactful infrastructure projects and grow professionally in the field.

## EDUCATION

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**Bachelor of Civil Engineering (Sustainable Engineering)** 2024  
Arizona State University GPA 3.59

## EXPERIENCE

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**Civil Engineer (Jadarah Program) - Mazoon Mining (MDO)** June/2025-present  
Muscat, Oman

- Support engineering delivery of the Mazoon Copper–Gold Project, a major mining development under EPCM firm Lycopodium.
- Assist with structural design tasks, reviewing shop drawings for copper/gold processing plant infrastructure.
- Contribute to evaluation of ore processing layouts, including crushing, grinding, and flotation circuits designed for copper and gold recovery.
- Gained practical experience in both office-based planning and on-site supervision.

**Civil Engineer (Site & office) - Almakan Construction** Feb-Mar/2025  
Muscat, Oman

- Supported site operations including quality assurance, safety inspections, and progress monitoring.
- Reviewed engineering drawings and ensured adherence to project specifications and civil codes.
- Assisted in construction scheduling, contractor coordination, and document control.
- Gained practical experience in both office-based planning and on-site supervision.

**Capstone Project – Traffic Engineering Focus - HilgartWilson - Phoenix**

Phoenix, Arizona Jan-May/2024

- Conducted traffic data collection, pattern analysis, and intersection evaluations.
- Designed solutions to reduce congestion and improve road safety based on traffic modeling.
- Prepared technical reports and design recommendations using AutoCAD and Synchro.
- Coordinated with academic advisors and industry partners for feedback and implementation.

**Volunteering in geotechnical research project.**

Arizona State University April/2024

- Participated in data collection, analysis, and fieldwork for a geotechnical research project.
- Assisted in conducting soil testing and site investigations to evaluate subsurface conditions.
- Gained hands-on experience with geotechnical tools and laboratory procedures.
- Strengthened understanding of soil mechanics, foundation behavior, and geotechnical engineering principles.

## Steel Frame Structure Design Project (AISC)

Summer 2023

Arizona State University

- Designed a prototype system to convert kinetic energy from footsteps into electrical energy for urban lighting.
- Utilized CAD software to model electric tiles and simulate energy output.
- Integrated sustainable design concepts to promote renewable energy in city infrastructure.
- Presented and published project findings to academic peers and faculty.

## Electronic Energy from human motion (footsteps), Introduction to engineering course

Arizona State University

April/2023

- Designed a prototype system to convert kinetic energy from footsteps into electrical energy for urban lighting.
- Utilized CAD software to model electric tiles and simulate energy output.
- Integrated sustainable design concepts to promote renewable energy in city infrastructure.
- Presented and published project findings to academic peers and faculty.

## Media and Design Director

Arizona State University

2021-2024

- Managed and created content for events and social media accounts of Omani, Saudi, and Emirati student associations at Arizona State University.

## Volunteer Kids' Tutor in Sultanate of Oman

Ibra, Oman

summer 2018

- Designed and delivered interactive, age-appropriate lessons for elementary school students.
- Adapted teaching methods to meet diverse learning needs and styles.
- Provided individualized support to help students understand difficult concepts.
- Contributed to improved academic performance and classroom engagement.

## SOFT & TECHNICAL SKILLS

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• Communication.	• MATLAB	• HEC
• Team Collaboration.	• SkyCiv	• SketchUp
• Problem-Solving.	• MS Excel(Professional)	• Google Earth
• Time Management.	• MS Office(Professional)	• Navisworks
• Leadership.	• Revit	
• Critical Thinking.	• AutoCAD	
• Attention to Detail.	• Adobe (Photoshop & Illustrator)	

## CERTIFICATION & COURSES

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- PMIEF course.
- Urban System Water Design.
- Structural Analysis.
- Civil Engineering Project Management.
- Dean's List for 2022 & 2023, in ASU.