

Akmal Durrani

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I am a civil engineer with remarkable international study experiences. I have a scientific understanding of working with materials while applying principles of mechanics. In addition, I am a polyglot. My WHY in life is to help build infrastructures and facilities in poor communities, so everyone can live a more comfortable life.

Authorized to work in the US for any employer

Work Experience

Research Assistant

Ohio University - Athens, OH

August 2019 to Present

I have been working mainly on a research project entitled as " Design of Micro-Surfacing and Chip Sealing Mixes with RAP for Local Roadway Applications in Ohio." My main tasks include:

- Conduct literature reviews mainly on various geotechnical topics
- Conduct lab/ field tests on construction materials following AASHTO standards
- Collect and analyze data
- Prepare interview questions
- Work as a teaching assistant occasionally
- Assist with preparing progress reports for Ohio Department of Transportation

Engineer Site Auditor

Host Nation Perspectives LLC - Herat Country: Afghanistan

March 2017 to August 2019

I worked as a technically trained Afghan local national with the professional skills, cultural knowledge, linguistic capability and flexibility to travel around Afghanistan to conduct site visit, assessment, and monitoring tasks assigned by Flexible Implementation Assessment Team (FIAT) program. My main tasks included:

- Collected and analyzed data
- Prepared detailed reports
- Recommended changes in operations and financial activities

Intern Engineer

As titiz İnşaat - Gaziantep Country: Turkey

August 2016 to January 2017

I did my internship in the construction project of Gaziantep Integrated Health Campus located in Gaziantep.

My main tasks included:

- Observed building work
- Checked and prepared site reports, designs and drawings

- Reported constructability issues, and provided technical advice

AutoCAD Drafter

Rino Art Construction Company - Gaziantep Country: Turkey
August 2013 to February 2015

I was involved in updating the drawings for public utilities in Gaziantep, Turkey. My main tasks included:

- Produced detailed drawings, including building dimensions
- Revised designs to eliminate problems
- Depicted the association of components and systems

Education

Master of Science in Civil Engineering

Ohio University - Athens, OH
August 2019 to Present

Bachelor of Science in Civil Engineering

Gaziantep University - Gaziantep, TR
October 2012 to January 2017

Skills

- AutoCAD Civil 3D
- ArcGIS
- Data Analysis
- Construction
- MATLAB
- SPSS
- Primavera P6
- SAP2000
- Abacus FEA

Awards

Research Assistantship- by Ohio University (OU)

August 2019

Full Presidential Scholarship of Turkey - by Türkiye Bursları

September 2012

Erasmus+ Exchange Program Scholarship - by European Union (EU)

February 2016

Mevlana Exchange Program Scholarship - by the council of Higher Education of Turkey (YÖK)

March 2015

Gold Medal in the Branch of Mathematics - in the 7th Afghanistan National Science Competition (ANASCO)

May 2011

Participation Award - in the 7th International Junior Science Olympiad (IJSO)

December 2010

Certifications and Licenses

Engineer In Training (EIT)

Present

Setting for the FE exam next month

Aggregate Testing Technician—Level 2

Present

Able to obtain immediately

Driver's License

Present

Employment Authorization Document (EAD)

Present

Publications

Analysis of RAP Proposed for Use as Aggregate in Microsurfacing and Chip Seal Mixes (Working Master's Thesis)

August 2021

Statistical Analyses of Change Orders on Ohio Department of Transportation Projects (Working Journal Paper)

September 2021

Triangular arch truss: Modeling, analysis, and design

August 2016

Development of small-scale hydropower projects (Undergraduate Thesis)

January 2017