

EDUCATION

University of Illinois at Urbana-Champaign (UIUC)

Bachelor of Science, Civil Engineering

Related Course work: Construction Engineering
Construction Productivity

Structural Engineering
Reinforced Concrete

May 2019
GPA: 3.65/4.00

Parkland College, Champaign IL

Associate in Science, Engineering Science

Parkland College Dean's List (Spring 2015 – Fall 2016)

Dec. 2016
GPA: 3.65/4.00

SKILLS

Computer Programs: SAP2000, AutoCAD, Solid Works, Illustrator, Adobe Photoshop, MATLAB, Microsoft Office Suite

Programming Languages: C, C++

Languages: English(Fluent), Arabic(Fluent), Spanish (Intermediate)

PROJECT HIGHLIGHTS

Class Project- Structural Analysis

August 2017 – December 2017

Group Leader

- Modeled a 3D model of a bridge using SAP2000
- Performed structural analysis of the bridge using three methods; SAP2000, MATLAB, and hands calculations
- Wrote a technical report about the analysis and discussed flaws in the bridge

Class Project- Rockford Mall Construction

August 2017 – December 2017

Group Leader

- Completed pre-construction estimates and analyzed the estimates using cash flow diagrams and Microsoft Excel
- Organized construction schedules for the project
- Prepared reports that discussed the analysis that was done during every phase of the project

RELEVANT EXPERIENCE

Dr. Imad Al-Qadi Research Group (UIUC)

May 2017 – August 2017

Undergraduate Research Assistant

- Provided extensive laboratory and testing support as part of the project “Project 161”
- Completed field sampling, fractioning, and sieving of around 485 kg of aggregate and RAP material
- Performed batching according to various mix designs for specimen preparation
- Assisted in the volumetric control of more than 300 I-FIT specimens and several pills of compacted asphalt material
- Monitored compaction and I-FIT testing performance

Dr. Hadi Meidani Research Group (UIUC)

Feb. 2017 – May 2017

Undergraduate Research Assistant

- Modeled a transportation network for the San Jose region in California
- Wrote technical research reports about different resources used throughout the semester
- Reviewed scientific literature to research previous models and equations projected for a certain area in California that assist in the prediction of the damages done to bridges by an earthquake

LEADERSHIP AND ACTIVITIES

Engineers Without Borders (UIUC)

Sep. 2017 – Present

Chilaweni Bridges Partnership

- Worked with structural engineers and construction manager in the US to assist the team during the design and construction phase
- Researched design specifications of the bridge for the region
- Assisted in marketing the project for design and build firms

Parkland's Science Club

Aug. 2016 – Dec. 2016

President

- Organized professional talks on key scientific issues
- Managed activities and events to promote the study of different disciplines of science by doing hands-on science activities with K-12 students and community members

Parkland College

Aug. 2016 – Dec. 2016

Tutor at the Center for Academic Success (CAS)

- Provided academic support to 50 students via one-one tutoring in Math, Chemistry, and Physics courses
- Suggested studying strategies and time management skills to support the academic achievements of students