

ANWAR ALHUSBAN

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EDUCATION

NORTHWESTERN UNIVERSITY

Bachelor of Science in Industrial Engineering & Management Sciences

Minor: Computer Science

Cumulative GPA: 3.60/4.00, Major GPA: 3.80/4.00

EVANSTON, IL

Anticipated in 2021

Relevant Coursework: Data Management and Information Processing, Optimization, Discrete Event Systems Simulation, Health Systems Engineering, Organizational Behavior, Client Project Challenge

EXPERIENCE

NORTHWESTERN MEDICINE LAKE FOREST HOSPITAL

Engineering Consultant

EVANSTON, IL

Sep 2020 – Dec 2020

- Conducted a regression analysis on R to evaluate variation trends of patient volume across 3 different time variables.
- Constructed a simulation model of the workflow within the maternity ward to recommend optimal nurse staffing that minimizes patients' waiting time by 40% and maximizes nurse productivity by 15%.
- Facilitated weekly meetings with the hospital's operations managers and Northwestern Engineering professors to discuss project approach and analysis results.

ENFOCUS INC.

Innovation Analyst

SOUTH BEND, IN

Jun 2020 – Aug 2020

- Performed a research and refinement analysis of ~250 innovation assets, optimizing the utilization of the South Bend-Elkhart Digital Innovation Hub upon its launch.
- Directed the implementation of the tool's integration wireframes, content filters, and user-friendly navigation terminology by the web developer team.
- Developed short- and long-term marketing avenues, PR strategy, and content strategy for the 'News & Insights' section.

MODERN CEMENT & MINING COMPANY

Industrial Engineering Intern

AMMAN, JORDAN

Jun 2019 – Aug 2019

- Analyzed process gaps in the procurement data using Excel, reducing the department's monthly financial costs by \$2,500.
- Reviewed semi-annual financial forecasts with a team of 2 strategists.
- Composed management recommendations for the HR department by evaluating employee feedback as well as efficiency statistics, leading to an increase in workforce productivity by ~50%.

JOVISION SOFTWARE COMPANY

Computer Engineering Intern

AMMAN, JORDAN

Jun 2018 – Jul 2018

- Developed 8 pages of an iOS application called eMosque, which offers advanced operational features for spiritual centers.
- Collaborated with 4 software engineers in troubleshooting daily developmental bugs using React Native and C++.

LEADERSHIP & INVOLVMENT

BUILDON EVANSTON TREK TEAM

Founder & Leader

EVANSTON, IL

Mar 2019 – Present

- Led team meetings and bi-weekly fundraisers, raising \$4,000 to build a school in Nepal during the summer of 2020.
- Administered with buildOn's managers the team's financial and management logistics.

MAKERGIRL NU ACADEMY

Marketing & Outreach Director

EVANSTON, IL

Mar 2019 – Present

- Published weekly parent newsletters, managed 3 social media pages, and collaborated with 11 educational centers.
- Trained 200 girls ages 7-10 to construct their designs on Tinkercad and 3D print them.

NORTHWESTERN UNIVERSITY

Research Assistant

EVANSTON, IL

May 2018 – Jun 2019

- Translated, annotated, and photoshopped 21 manuscripts dating back to the 1100s for an advanced Arabic course.
- Compiled a 50-page curriculum pack for teaching this course to non-Arabic speakers.

SKILLS & INTERESTS

Computer: R, Python, SQLite, AMPL, Html, JavaScript, CSS, C#, C++, MATLAB, React Native, Microsoft Office

Language: Fluent in English and Arabic

Additional Interests: Volunteering, Traveling, Tutoring, Photography