

Tyler Haage

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Mechanical engineer pursuing a career in data science. Excels in creative problem solving with an extensive background in advanced mathematics. Has attained a SQL certification and has experience with IT standard applications such as git, Tableau, and visual studio code. Works well in teams and uses a strong work ethic to deliver results no matter the challenge.

Skills

SQL, Tableau, Visual Studio Code, Github, Matlab, Python, Microsoft Excel, Microsoft Suite/Google Drive Suite, AutoDesk Inventor, AutoCAD, SolidWorks, Creo, BlueBeam Revu, Vacuum Forming, Photoshop, Wolfram Mathematica 10

Experience

F.E. Moran

Project Engineer

Chicago, IL
June 2019 - Present

- Recipient of the Core Values award, nominated by company division president
- Project management and engineering of HVAC system installation for the One Chicago Square development (contract value \$25,000,000)
- Assembled and submitted document packages consisting of equipment, mechanical blueprints, and safety information to meet tight deadlines
- Extensive daily communication with field personnel, general contractor, architect, and project owner
- Transitioned from field work to office work on a daily basis to track installation quality and job site progress
- Self-managed and adapted to changing job responsibilities throughout the course of the 3 year project lifespan

AMS Mechanical Systems

HVAC Project Management Intern

Chicago, IL
June 2018 - August 2018

- Assembled information and operation manuals for projects such as the Northwestern Welsh Ryan Arena and The University of Chicago Crerar Library. These manuals consisted of all the equipment submittals, shop drawings, warranty, and equipment maintenance information.
- Worked with project managers to attend on-site coordination meetings as well as manage punch lists for projects.
- Compared BIM models to mechanical drawings in order to pull relevant equipment information that was then summarized in excel sheets.

IIT Idea Shop

Prototyping Lab Mentor

Chicago, IL
October 2016 – May 2019

- Assist students and faculty with design software and manufacturing processes such as Arduino/Raspberry PI, AutoCAD, SolidWorks, 3D Printing and CNC milling.
- Provide safety training to all lab users in compliance with OSHA standards as well as compile safety data sheets.
- Mentor groups from the university inter-professional program, professional organizations, and clubs such as robotics and SAE with large semester projects.

Best Packaging Inc.

Mechanical Engineering Intern

Burr Ridge, IL
December 2016/17/18

- Assessed repairs needed for various manufacturing equipment such as manual and automatic stretch wrappers and banding machines.
- Compiled parts list and quotes from mechanical drawings and manufacturer information.
- Drafted custom parts for machines using AutoCAD and Inventor.

Education

Illinois Institute of Technology

B.S. Mechanical Engineering

- 3.82 Cumulative GPA, 3.85 Major GPA
- Tau Beta Pi Engineering Honors Society
- Dean's list recipient (Fall 2015, Spring 2016, Fall 2016, Spring 2017, Fall 2017, Spring 2018, Fall 2019, Spring 2019)
- Delta Tau Delta Gamma Beta Chapter, Sergeant at Arms, Brotherhood chair, and House Manager.

Personal / Awards

- 2017 Chicago Olympic Distance Triathlon finisher.
- 2016 Schaumburg Half Marathon finisher.

Volunteer Projects

St. Jude's Children Hospital

October 2019

- Sewed cloth bands to fit over elastic bands for children's face masks.

Chicago Marathon Course Marshall

October 2015, 2016, 2017

- Leadership role responsible for directing medical services to participants and keeping the course safe.

Marshall JDRF One Walk Participant and Volunteer

October 2016

- Fundraised and helped coordinate the 2016 JDRF One Walk for Type 1 Diabetes and walked the 5k as well.