

Timothy O'Malley, E.I.T.

Current Address:

411 E South St
Elmhurst, IL

Telephone: 630-379-7358

Email: tomalley24@gmail.com

Objective: Seeking full time employment in the field of Mechanical Engineering in the Chicagoland area.

Education:

BSME, The University of Iowa, Iowa City, IA

Major: **Mechanical Engineering**

Work Experience:

Amentum/AECOM 10/2019 - Present

HVAC Engineer 2

Greenwood Village, CO

- Performed engineering calculations to support project design.
- Produced technical specifications based on project design parameters.
- Designed and 3D modeled mechanical systems for mechanical drawings using AutoCAD MEP/AutoCAD Plant 3D

Elara Engineering 01/2019 - 06/2019

Hillside, IL

Mechanical Engineer

- Perform building heating and cooling load calculations.
- Analyze the load calculations to determine the most effective mechanical systems to put into place in each given building.
- Design and draft mechanical systems based on existing conditions of a building
- Perform airflow calculations based on Chicago building code and international building code.

Milhouse Engineering & Construction, Inc. 08/2016 - 12/2018

Chicago, IL

Assistant Mechanical Engineer

- Central Utility Plant Study: Performed an energy analysis and economic feasibility study on an 18,000 Central Utility Plant/Combined heating and power plant.
- Design mechanical systems to code for commercial buildings, focusing mainly on the HVAC portion of the design.
- Perform load calculations to determine the heating and cooling requirements for a given space.
- Size/Select equipment, both air side and water side, based on the heating and cooling required.

Technical Skills:**Computer Skills:**

- **Engineering Software** - Creo Parametric, AutoCAD, Ansys APDL, Ansys Fluent, Abacus, Revit.
- **Programming** – C, C++, MATLAB, Mathematica, Interactive Heat Transfer, Interactive Thermodynamics.
- **Other** – Excel, Word, Labview