**Timothy O’Malley, E.I.T.**

**Current Address:** Telephone: 630-379-7358

411 E South St Email:tomalley24@gmail.com

Elmhurst, IL

**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