

Timothy O'Malley, E.I.T

Results-driven software engineer with 2 years of experience in C# and Azure Form Recognizer. Seeking a software engineering role in the Chicago area to leverage my skills in desktop application development and problem-solving.

Professional Experience

SILVERWORK SOLUTIONS, CHICAGO, IL

Software Engineer, December 2021–Present

- Converted client code base to dependency injection and changed all JSON parsing to API based solution to optimize performance and increase scalability. Assisted on all other client upgrades after handling one alone.
- Developed a test harness that reduced testing time by up to 50% for the development team.
- Implemented/Refactored a core services code base that leveraged AI form recognition to parse homeowners and hazard insurance documentation and report to our clients if it was acceptable for mortgage lending.
- Leveraged Azure Form Recognizer to extract relevant information from document lists for the purpose of selecting the appropriate documents to include in mortgage closing packages. This was necessary as the UI elements were not accessible through standard UI inspection methods.
- Quickly and effectively addressed client requests and bugs in client environments.

AMENTUM/AECOM, GREENWOOD, CO

Mechanical Engineer, October 2019–November 2021

- Designed various mechanical systems for a chemical weapons dismantling facility to relevant nuclear codes and standards and wrote technical specifications for the systems.

ELARA ENGINEERING, HILLSIDE, IL

Mechanical Engineer, January 2019–June 2021

- Designed various mechanical systems for healthcare facilities and wrote technical specifications for the systems.

MILHOUSE ENGINEERING AND CONSTRUCTION, CHICAGO, IL

Assistant Mechanical Engineer, August 2016–December 2019

- Designed various mechanical systems for commercial and industrial buildings and wrote technical specifications for the systems.

Education

NORTHWESTERN UNIVERSITY, EVANSTON, IL

Web development coding boot camp certificate (2021)

UNIVERSITY OF IOWA, IOWA CITY, IA

Bachelor of Science in Mechanical Engineering (2016)

- Minor: *Mathematics*

Additional Skills

- C#.NET, JavaScript, HTML, CSS, Svelte, React, SQL, Git, Node.js, Express.js,
- MS Visual Studio, SharePoint Designer, LINQ, SQL Server, REST APIs, Entity Framework