

MATTHEW OLEY



Fourth Year Student at RIT seeking Spring CO-OP

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EDUCATION


Bachelor of Science in Software Engineering, Minor in Web Development

Rochester Institute of Technology

 Anticipated May 2027  Rochester, NY  Honors Program  Performing Arts Scholar  3.67 GPA

EXPERIENCE

Software Engineering Co-Op


 Jun 2025 – Aug 2025

 Pittston, PA

Benco Dental

- Improved efficiency of production systems by 20% by altering SQL procedures and data mappings.
- Implemented React components that eagerly load and render data from parallel API calls.
- Developed in-house scripts to generate entity framework configurations from existing database schemas.

Software Development Co-Op


 Aug 2024 – Nov 2024

 Elyria, OH

Emerson Electric Professional Tools Software Solutions

- Developed and unit tested development tasks in .net framework.
- Designed and Edited MSSQL stored procedures and DBMS configurations.
- Brought website pages into compliance with modern web standards and ADA guidelines.

Software Engineer

 Jun 2024 – Aug 2024

 Annapolis Junction, MD

Booz Allen Hamilton

- Developed a machine-learning-driven audio processing and analysis platform for acoustic keylogging.
- Leveraged automated testing, CI/CD, and containerization to engineer performant and maintainable code.
- Presented capability to company executives with a live demonstration.

SKILLS AND TECHNOLOGIES

Web Development ASP.NET React Angular Kubernetes SQL Agile GIT Docker

JavaScript TypeScript Python C# C/C++ Java HTML CSS SASS Rust

PROJECTS

Online Grimoire – Personal Project

 mrolei1/Online-Grimoire


Web tool to emulate the game board of the social deduction game Blood on the Clocktower. Built using vanilla JavaScript and CSS and deployed on an OKD Kubernetes cluster.

Twilight – Ongoing Personal Project

 mrolei1/twilight

A Dungeons and Dragons map creation tool that enables a user to occlude parts of the map during gameplay.


Clocktower – Ongoing Personal Project

 mrolei1/clocktower

Rewrite of Online Grimoire to support more online features, higher stability and more intuitive controls. Built around React with a custom data model to improve efficiency.

LEADERSHIP AND INVOLVEMENT

 **Boy Scouts of America**
Eagle Scout

 **Computer Science House**
Member

 **RIT Honors Program**
Member

 **TEDxRIT**
Web Designer