






MATTHEW OLEY






Third 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

Benco Dental

 Jun 2025 – Aug 2025  Pittston, PA

- Improved efficiency of production systems 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.
- Wrote unit tests and functional tests for all contributed code.

Software Engineer

Booz Allen Hamilton

 Jun 2024 – Aug 2024  Annapolis Junction, MD

- Developed a machine-learning-driven audio processing and analysis platform for acoustic keylogging.
- Designed and implemented responsive mobile-first user interface.
- 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 SQL Agile GIT Docker UML and ER diagramming
JavaScript TypeScript C# HTML CSS SASS Java Python Rust C/C++

PROJECTS

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. Made with Angular 18.2.

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.

Personal Website – Personal Project

 mrolei1/mrolei1.github.io

Website written in vanilla HTML, JavaScript, and CSS. Used to promote myself and showcase my experience and projects.

LEADERSHIP AND INVOLVEMENT

 **Boy Scouts of America**
Eagle Scout  **Computer Science House**
Member  **RIT Honors Program**
Member  **TEDxRIT**
Web Designer