

Emma Mazzoni

Archbald, PA 18403 | (570)702-2251 | emazzonix7@gmail.com | <https://github.com/EmmaMazzoni>

EDUCATION

The Pennsylvania State University, University Park, PA

GPA: **3.8/4.0**

Bachelor of Science in Computer Science

Anticipated Graduation: May 2026

Minor in Graphic Design

Selected Coursework: Object-Oriented Programming with Web-Based Applications, Digital Design: Theory and Practice, Systems Programming, Data Structures and Algorithms, Artificial Intelligence

Leadership and Involvement:

- President and Primary THON chair, Penn State Infinity Special Interest Org 2024- Present
- Webmaster, Penn State Sigma Kappa Sorority 2024-2025
- Member, Penn State Tau Beta Pi 2025- Present

PROJECTS

Course Scheduler | *Java, SQL, NetBeans*

- Built a course scheduling application with an object-oriented design, integrating an SQL database to manage students, courses, and schedules.
- Enabled students to view schedules and add/drop courses, allowing admins to create/manage course data.
- Focused on database management, efficient querying, and GUI development in Swing for a user-friendly experience.

Grammar Lexer and Parser | *Python, Visual Studio Code*

- Built a lexical analyzer to tokenize source code into keywords, identifiers, and operators.
- Developed a parser to generate an Abstract Syntax Tree (AST) with scope management and type checking.
- Implemented error handling for illegal characters, syntax errors, and type mismatches.

EXPERIENCE

Information Technology Intern | Questeq

Athens Area School District, PA

June 2025- August 2025

- Assisted in the setup, configuration, and enrollment of Chromebooks, iPads, and Windows devices into the district's Mobile Device Management (MDM) system, supporting over 1,000 students and staff across 3 buildings
- Collaborated in a 7-person IT team to streamline device deployment processes, improving efficiency during school technology rollouts
- Designed custom Microsoft login screen assets and prototyped a proposal for improvements to the school district's website, which included layout changes and visual design enhancements
- Gained hands-on experience with hardware diagnostics by shadowing Chromebook repairs and learning common device failure modes

SKILLS

Programming Languages: Python, Java, C/C++, Visual Basic, Verilog

Web & UI Development: HTML, CSS, JavaScript, React, jQuery, Swing, Figma, Adobe Illustrator

Tools & Platforms: Git, VS Code, Visual Studio, NetBeans, Linux/Unix

Databases & Libraries: MySQL, Apache Derby, JDBC