

Nicholas Mankowski  
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[LinkedIn](#) / [GitHub](#)

## EDUCATION

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**Ohio Wesleyan University**, Delaware, OH  
B.A. in Mathematics/Computer Science

Anticipated May 2025  
**Dean's List, GPA: 3.98 / 4.00**

Relevant Coursework: Algorithm Analysis and Design, Data Structures and Algorithms, Theory of Computation, Heuristics for Intractable Problems, Computer Graphics  
(including spring 2025)

## SKILLS

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- **Programming Languages:** C#, Python, C/C++, Java, JavaScript, MATLAB
- **Frameworks & Libraries:** .NET Framework/.NET Core, React.js, Java Swing
- **Databases:** PostgreSQL, Microsoft SQL Server
- **Tools & Platforms:** Git/GitHub, Azure DevOps
- **Software Development:** Agile Methodology, SOLID Design Principles

## PROFESSIONAL EXPERIENCE

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**3E**, Canton, OH  
*Software Engineering Intern*

Jul 2022 – Present

- Developed 10+ back-end endpoints during back-end API migration.
- Developed dossier validation for 3E Notify, improving submission processes and reducing client-side errors.
- Resolved critical client issue in data broker, ensuring continued compliance with EU poison control regulations.

**OWU Summer Science Research Program**, Delaware, OH  
*Student Researcher*

May 2024 – Present  
[GitHub Repository](#)

- Built console app for running microscopic single and multi-lane traffic simulations.
- Researching traffic system stability using delay differential equations.
- Drafting research paper for publication.

## PROJECTS

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**Alternative Rendering Techniques**  
*Independent Project*

Oct 2023 – Present

- Developing a C++ project optimizing real-time 3D rendering using binary space partitioning.
- Building level design software with Java Swing for compatibility with the rendering engine.

**GLimpse - Lightweight OpenGL Logging Library**  
*Independent Project*

Sep 2024  
[GitHub Repository](#)

- Developed a C++ utility for logging OpenGL errors and messages with support for multiple output targets.
- Implemented customizable logging outputs and error handling.

## LEADERSHIP AND CAMPUS INVOLVEMENT

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- **Phi Delta Theta** — *Chapter President*
- **Choose Ohio First** — *First Year Student Mentor*
- **Math & Computer Science Student Board** — *Member*

March 2023 - December 2023  
January 2024 - May 2024  
September 2023 - Present