

Ethan Passino  
Huntertown, Indiana  
itzethanpassino@gmail.com  
260-442-9007  
<https://github.com/Ethan-Passino>  
<https://ethanpassino.com>  
<https://www.linkedin.com/in/ethan-passino-65a08b337/>

## SUMMARY

Computer Science student graduating in **May 2025** with strong experience in **software development, optimization algorithms, and systems programming**. Proficient in **C++, Java, and Python**, with expertise in backend architecture, data processing, and automation. Helped lead the development of a **C++-based batch trimming optimization system** for manufacturing, reducing material waste and improving scheduling efficiency. Passionate about **building scalable solutions** that enhance **operational efficiency** and solve real-world problems.

## EDUCATION

Purdue University Fort Wayne, Indiana  
**Bachelor of Science in Computer Science**  
Expected: **May 2025**

## TECHNICAL SKILLS

**Languages:** Java, Python, C++, C, JavaScript, TypeScript, SQL, PHP  
**Frameworks/Libraries:** Node.js, Express.js, React.js, .NET, wxWidgets, Spigot API  
**Databases:** MySQL, MongoDB, PostgreSQL, SQLite  
**Tools/Technologies:** Git, GitHub, Docker, REST APIs, WebSockets, Tailwind CSS, CI/CD, WebRTC

## PROJECTS

### Rewinder Batch Trimming & Scheduling System (Senior Capstone Project) (Fall 2024 to Spring 2025)

*Intertech Products, Inc.*

- Developed a C++ application to optimize material trimming, **reducing waste** and **manual work**.
- Integrated **wxWidgets** for the UI and a **custom optimization** program.

### Web Development Projects (2018 - Current)

- Built **responsive websites** using **HTML, CSS, JavaScript, ReactJS, and the RESTful APIs**. Created data collection systems in **PHP/MySQL**.

### Personal Finance App (2024 - Current)

- Designed a **budget tracking and expense management app** to help users manage finances efficiently.
- Developed features such as **expense categorization, savings goal tracking, and financial reporting**.

### Minecraft Plugins Development (2020 - Current)

- Created **custom plugins** using **Java and Spigot API**, enhancing gameplay for **over 100 users**.

### Nimbus (Advanced Discord Bot) (2024 - Current)

- Developed a **feature-rich Discord bot** with **moderation, leveling, and analytics**.
- Utilized **Node.js, Discord.js, and MongoDB** for scalability and customization.

## WORK EXPERIENCE

### Shift Leader (Manager)

Pizza Hut, Fort Wayne, IN

May 2022 – Present

- Supervise daily operations and lead a team to ensure efficient workflow.
- Train and mentor employees to develop strong work skills and uphold company standards.
- Handle customer service, resolve issues, and maintain high satisfaction levels.