

# PRESTON FOX

Indiana, PA • (724) 464-9518 • [prestonefox4444@gmail.com](mailto:prestonefox4444@gmail.com)  
GitHub: [github.com/Hauh4444](https://github.com/Hauh4444) • Portfolio: [View Portfolio](#)

---

## SUMMARY

Software engineering student focused on full-stack development. I build real-time web apps, secure backends, and scalable APIs using JavaScript, Python, and Rust. Experienced with third-party integrations, databases, and team-based projects.

---

## SKILLS

**Languages:** JavaScript, TypeScript, Python, Rust, Java, HTML, CSS, SASS, SQL, PHP

**Frameworks/Technologies:** React, React Native, Vue, NodeJS, Flask, Django, Tailwind CSS

**Databases & Tools:** Supabase, MySQL, SQLite, PostgreSQL, MongoDB, Docker, Git, GitHub

**Other Skills:** Agile Development, Problem Solving, Team Collaboration, Adaptability

---

## PROJECTS

### Auction House & E-commerce System

*Full Stack Developer | React, Flask, MySQL, Stripe, PostHog, MailerSend, Socket.IO*

[GitHub Repo](#)

- Built a real-time bidding and purchasing system with React, Flask, and MySQL for **50+ concurrent users**.
- Developed admin and user dashboards for managing listings, bids, purchases, and support tickets.
- Implemented real-time chat with Socket.IO.
- Integrated Stripe, PostHog, and MailerSend, sending **500+ test notifications** reliably.
- Added role-based access and admin tools for listing approvals and ticket management.

### Knowledge Hub

*Full Stack Developer | React, TypeScript, Supabase, PostgreSQL, Tailwind CSS*

[GitHub Repo](#) | [Live Demo](#)

- Built a collaborative knowledge platform with React and Supabase, supporting **100+ concurrent tasks**.
  - Developed resources, bookmarking, real-time collaboration, and smart search features.
  - Implemented Supabase Auth with protected routes and row-level security for secure, user-isolated data.
  - Developed a responsive, mobile-first interface optimized for WCAG and **10+ browsers**.
- 

## EDUCATION

### Bachelor of Software Engineering, Computer Science

*Indiana University of Pennsylvania (IUP)*

**Expected Graduation: December 2025**

**GPA: 3.3**

**Relevant Coursework:** Data Structures & Algorithms, Software Engineering Practice, Web Architecture & Application Development, Artificial Intelligence, Unix Systems

---

## ADDITIONAL EXPERIENCE

### Inventory Associate

*Retail Services WIS Cooperation*

**June 2022 - Present**

**Elmira, New York**

- Conducted inventory audits across **250+ Walmart and Sam's Club locations** throughout the **Northeastern U.S.**, ensuring **99% accuracy** under tight deadlines.
- Collaborated with cross-functional teams, often **supporting 3+ divisions simultaneously**, streamlining inventory processes and reducing errors.
- Contributed to team performance that ranked **#1 company-wide for two consecutive years**, recognized for speed, accuracy, and collaboration.
- Developed transferable skills relevant to software development, including **process optimization, data management, and attention to detail**.