

# PRESTON FOX

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GitHub: [github.com/Hauh4444](https://github.com/Hauh4444) • Portfolio: [View Portfolio](#)

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## SUMMARY

Software Engineering student with experience building full-stack web apps and scalable backend systems. Proficient in JavaScript, Python, and Rust, with hands-on work in payment integration, analytics, and secure APIs. Strong problem solver with a focus on user-centered solutions and team collaboration.

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## SKILLS

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

**Frameworks/Technologies:** Ajax, React, React Native, Vue, Flask, Django, Node.js, jQuery

**Tools:** Visual Studio, VS Code, JetBrains, Eclipse, Git, GitHub, MySQL, MongoDB, Docker

**Other Skills:** Adaptability, Collaborative Teamwork, Problem Solving Abilities, Agile Methodology

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## PROJECTS

### Auction House & E-commerce System

*Full Stack Developer | React, Flask, MySQL*

[GitHub Repo](#)

- Designed and launched a real-time auction platform with bidding, purchasing, and order fulfillment features.
- Integrated Stripe for payment processing, boosting transactional security and user trust.
- Used PostHog to track user behavior, improving UI layout decisions based on heatmap analysis.
- Automated alerts via Ozeki SMS and MailerSend, improving user retention and order communication.

### Event Management System

*Software Engineer | React, Rust (Actix), SQLite*

[GitHub Repo](#)

- Built a web app supporting event creation, registration, and management with real-time updates.
  - Implemented role-based access control for secure user interaction.
  - Leveraged Actix (Rust) to optimize backend performance and reduce API latency.
  - Used SQLite for embedded data storage, enabling quick setup and testing.
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## EDUCATION

### Bachelor of Software Engineering, Computer Science

*Indiana University of Pennsylvania (IUP)*

**Expected Graduation: December 2025**

**GPA: 3.3**

Relevant Coursework: Data Structures & Algorithms, Artificial Intelligence, Web Architecture & Application Development, Unix Systems, Theory of Computation, Software Engineering Practice, Intro to Database Management Systems, Computer Architecture, Unix Systems, Discrete Mathematics, Probability & Statistics

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## ADDITIONAL EXPERIENCE

### Inventory Associate

*Retail Services WIS Corporation*

**June 2022 - Present**

**Elmira, New York**

- Conducted inventory audits across regional supermarket chains, ensuring accuracy and efficiency under tight schedules.
- Provided backend support through data management, client communication, and discrepancy resolution.
- Collaborated with cross-functional teams in the Walmart/Sam's Club division, often stepping in to support other divisions.
- Contributed to team performance that ranked **#1 company-wide for two consecutive years**, recognized for speed, accuracy, and collaboration.