

# Preston Fox

Indiana, Pennsylvania • 724-464-9518 • [prestonefox4444@gmail.com](mailto:prestonefox4444@gmail.com) • <https://github.com/Hauh4444>  
Portfolio: <https://master.dkk2r8gyg6f9u.amplifyapp.com/>

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## SUMMARY

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Software engineering student with experience in full-stack web development, backend systems, and software architecture. Skilled in building cross-platform applications and seeking to contribute to impactful projects.

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## PROJECTS

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### **Auction House & E-commerce System** • <https://github.com/Hauh4444/Auction-House>

*Web Application | ReactJS, SASS*

- Designed and implemented a responsive web application using React and SASS, providing a seamless user experience for browsing, bidding, and purchasing items through a real-time auction interface.

*Backend Server and Database | Flask, Python, MySQL*

- Developed a Flask-based backend connected to a MySQL database to manage user accounts, product listings, bids, transactions, and order fulfillment with secure API endpoints.

*Third-Party Integrations | PostHog, Stripe, MailerSend, Ozeki SMS*

- Integrated PostHog for user behavior analytics, Stripe for secure payment processing, MailerSend for transactional email notifications, and Ozeki SMS for real-time SMS alerts, enhancing user engagement and operational efficiency.
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## NON-TECHNICAL EXPERIENCE

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### **Inventory Associate**

*Retail Services WIS Corporation*

**June 2022 – Present**  
**Elmira, New York**

- Performed inventory functions in a travelling environment to correct inventories of various supermarket chains.
  - Operated hands-on inventory counting services alongside backend customer communications and inventory management.
  - Operated within the Walmart/Sams Club division and often assisted other teams within all divisions of the company.
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## EDUCATION

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### **Bachelor of Software Engineering, Computer Science**

*Indiana University of Pennsylvania (IUP)*

**Aug 2022 – Present**  
**GPA: 3.3**

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|-------------------------------------|--|
| • Object Oriented & GUI Programming | • Intro to Database Management Systems       |
| • Assembly Language Programming     | • Software Engineering Practice              |
| • Data Structures & Algorithms      | • Web Architecture & Application Development |
| • Theory of Computation             | • Unix Systems                               |
| • Artificial Intelligence           | • Discrete Mathematics                       |
| • Computer Architecture             | • Probability & Statistics                   |
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## SKILLS

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**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