

Jaime Xu

765-426-4096 | xu1545@purdue.edu | <https://linkedin.com/in/jaimexu8>
<https://github.com/jaimexu8> | <https://jaimexu.dev>

Education

Purdue University

Bachelor of Science, Computer Science

Aug 2022 - May 2026

West Lafayette, IN

Work Experience

Tenon

Software Engineer Intern

May 2025 - Present

Indianapolis, IN

- Building custom UI components using Seismic JavaScript framework. Styling and configuring pages with ServiceNow UI Builder.
- Integrating multilingual support across 30+ reusable components to enhance global accessibility.
- Architecting customizable form SDK with business rules and access control lists (ACLs) to secure platform data and enforce user permissions.

Fundwurx

Software Engineer Intern

Feb 2024 - Aug 2024

Philadelphia, PA

- Designed and deployed a TypeScript/PostgreSQL API for posting and managing volunteer events. Resulted in over 40 events and 700+ volunteer hours. Included automated unit tests using Jest.
- Engineered a user interests tracking feature with React, allowing the collection of employee preferences. Helped company admins tailor charity event selections. Resulted in increased employee participation and customized event experiences.

Hack the Future

Software Developer

Sep 2023 - May 2024

West Lafayette, IN

- Developed a React-based form to capture program signups for 2,100+ users.
- Built an admin dashboard in Node.js/Express to automate reporting, saving 50+ hours/month in manual effort.
- Integrated session-based auth to ensure secure data access.
- Worked in a 10-person Agile team with Scrum, code reviews, and continuous feedback loops.

Projects

BoilerDining

- Built React Native mobile app to help Purdue students make informed on-campus dining decisions. Provided real-time occupancy levels, estimated wait times, and daily menus for all dining halls.
- Added an interactive map with travel-time calculations using MapBox and Google Maps APIs, offering commute estimates based on the user's chosen transportation mode.
- Integrated user reviews and reports to generate statistics and enable predictive analysis of dining hall wait times and capacity.
- Authored 30+ Jest unit tests and set up a CI/CD pipeline for automated deployment.

Shiba Type

- Developed a full-stack, customizable typing test website with features including a leaderboard, shop, user-authentication, and unlockable themes, deployed on AWS EC2 with Route 53 for domain management.
- Engineered secure and scalable backend services using Node.js and MongoDB with Jest unit testing, integrating Firebase Auth to manage user accounts, leaderboard rankings, and shop functionalities, ensuring data integrity and real-time updates.
- Designed and implemented a responsive front-end interface using React, Tailwind CSS, and TypeScript, providing users with real-time feedback on typing speed and accuracy, resulting in an interactive user experience.

Simple C Compiler

- Designed and implemented a compiler for the Simple C programming language using Lex and Yacc, generating x86-64 assembly code for executable file creation.
- Included support for arithmetic, logical, and control flow operations while optimizing register usage.

Tinder Clone

- Developed a Tinder clone in Swift, enabling user authentication, profile creation, and swipe-to-match functionality, providing a seamless and engaging user experience.
- Implemented robust login and sign-up workflows using ParseSwift and Back4App database, ensuring secure authentication and smooth user onboarding.

Skills

- **Languages:** JavaScript/TypeScript, Java, C/C++, HTML/CSS, SQL, Python, x86 Assembly, Bash, Swift
- **Frameworks/Libraries:** React.js, React Native, Next.js, Node.js, Express.js, Redux, Tailwind CSS
- **Tools:** ServiceNow, AWS, PostgreSQL, MongoDB, Firebase, Docker, Git, Linux