




# Jaime Xu

New York

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## Summary

Experienced in React, Node.js, and PostgreSQL. Eager to continue building experience as a software engineer through internships.

## Education

### Purdue University

Aug 2022 - May 2026

*Bachelor of Science, Computer Science*

*West Lafayette, IN*

- **Coursework:** Software Engineering, Data Structures and Algorithms, Computer Architecture, Discrete Math, Programming in C, Object-Oriented Programming, Python Programming, iOS Development in Swift

## Work Experience

### Fundwurx

Feb 2024 - Aug 2024

*Software Engineering Intern*

*Philadelphia, PA*

- Developed API with TypeScript and PostgreSQL, enabling company admins to manage 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

Sep 2023 - May 2024

*Software Developer*

*West Lafayette, IN*

- Implemented a form in React, tracking program signups and user data for client serving over 2,100 individuals.
- Built an administrative dashboard using Node.js and Express that automated data management, reducing manual reporting efforts by 50 hours per month.
- Integrated authentication systems with cookies and sessions to manage secure user data, ensuring privacy and data protection.
- Participated in Agile methodologies, including Scrum meetings and code reviews, in a team of 10, enhancing team collaboration and code quality.

## Projects

### BoilerDining

Dec 2024

- 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

May 2024

- 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.

### Tinder Clone

Apr 2023

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