Jaime Xu

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

EDUCATION

Purdue University   August 2022 – May 2026
Bachelor of Science in Computer Science   *West Lafayette, IN*
- Relevant Coursework: Software Engineering, Information Systems, Systems Programming, Data Structures and Algorithms, Computer Architecture, Programming in C, Discrete Math, Object-Oriented Programming, Python Programming, iOS Development in Swift

EXPERIENCE

Fundwurx   February 2024 – August 2024
Full-Stack Engineering Intern   *Philadelphia, PA*
- Implemented responsive UI components using React to enhance user experience and REST API requests to synchronize frontend and backend logic
- Developed a user interests feature to track preferences, enhancing personalized recommendations and providing valuable insights for user admins
- Authored backend unit tests with Jest, reducing production bugs and enhancing CI/CD reliability

Hack the Future   September 2023 – May 2024
Full-Stack Developer   *West Lafayette, IN*
- Designed and developed a responsive, multi-page form in React, improving user experience and accessibility for a local nonprofit, resulting in more efficient data collection
- Built a dynamic administrative dashboard using Node.js and Express, automating data management and reporting processes to streamline operations
- Actively participated in Agile methodologies including Scrum meetings and code reviews

PROJECTS

Shiba Type | *TypeScript, React, Node.js, Firebase, MongoDB, AWS*   May 2024
- Developed a full-stack, customizable typing test website with features like 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 a visually appealing and interactive user experience

Tinder | *Swift, ParseSwift, Back4App*   April 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, ensuring secure authentication and smooth user onboarding
- Integrated Back4App as a backend service to efficiently store, retrieve, and manage user data, optimizing performance and enhancing data consistency

Tutor Messaging System | *Java, Swing, NET, JUnit*   December 2022
- Developed a Java-based messaging application for students and tutors, enabling seamless communication and exchange of payments/services
- Designed an intuitive and interactive GUI using the Swing framework, creating a user-friendly interface that simplifies navigation and improves the overall user experience
- Implemented a robust server using Java's networking capabilities to handle concurrent client connections and efficiently manage the storage and access of user data

TECHNICAL SKILLS

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