GEORGE XUE

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SKILLS

- Java | JavaScript | React | Node | SQL | Python | Figma | Final Cut Pro | Bubble | JUnit Testing | OOP | Agile | Jira | Git
- Frontend | English, Mandarin, Spanish | **Interests:** Gym, Photography, Piano, Clarinet, Content Creation, Volleyball

EXPERIENCE

Cybrary | Front-End Software Engineering Intern
May 2023 – Present

- Developed and maintained front-end web applications using React to build an intuitive and user-friendly interface for Cybrary's cybersecurity SaaS platform, increasing B2B and B2C traffic by 20%.
- Refactored class-based components as functional components to clean up tech debt, improving developer velocity and workflows by implementing React components, modern React hooks, and reusable UI elements.
- Coordinated with product managers and designers to translate wireframes and prototypes into high-quality code and remove features that were no longer effective in gaining traction from customers.
- Assisted in the creation of technical documentation for new front-end infrastructure to onboard new developers.

Smart Tech LLC | Engineering Intern
Jun 2023 – July 2023

- Created a web application using Bubble to host Project Medulla, a healthcare claims automation project aimed at providing a fully automated end-to-end solution for claims processing.

Penn Social Entrepreneurship Movement | Associate Consultant
January 2023 - Present

- Evaluated marketing strategies, analyzed the costs/benefits of potential programs, and provided data-driven recommendations to reach new customer segments and expand market share for Alinea, a female-founded FinTech startup
- Conducted competitive analysis using Porter's Five Forces framework to assess FinTech industry dynamics and identify Alinea's sources of competitive advantage.

Math/Physics/Astronomy Library | Librarian's Assistant
December 2022 – May 2023

- Utilized library management systems, cataloging skills, and database management to enhance operations

EDUCATION

University of Pennsylvania
Aug 2022 - May 2026

Computer and Information Science B.S.E. with a Minor in Engineering Entrepreneurship   Philadelphia, PA

- GPA: 3.5/4.0 | Relevant Coursework: Algorithms and Data Structures, Formal Languages and Automata Theory, Statistical Probability, Multivariable Calculus, Discrete Math, Linear Algebra, Entrepreneurship and Technological Innovation
- Theta Tau Professional Engineering Fraternity, Wind Ensemble, Men's Water Polo, The Signal Society

Blue Valley High School
Aug 2018 - May 2022

- Weighted GPA: 4.8 | Unweighted GPA: 4.0 | ACT: 36   Stilwell, KS
- Summa Cum Laude, National Merit Finalist, AP Scholar with Distinction, Presidential Community Service Gold Award, Gold Seal of Biliteracy, Yale Young Global Scholar '21, U.S. Presidential Scholar Nominee, Kansas Governor's Scholar
- Drum Major, Principal Clarinetist, Varsity Swim Captain, Mu Alpha Theta President, Tri-M Treasurer

PROJECTS

Minesweeper

- Developed a desktop implementation of the classic game Minesweeper using Java Swing.
- Wrote JUnit test cases to validate game grid generation, mine placement, win/loss conditions, and other functionality.
- Used object-oriented principles including inheritance and polymorphism to promote reusability across game components.

Personal Portfolio

- Creating wireframes and site architecture in Figma to plan out the design for a personal portfolio website.
- Utilizing React, TailwindCSS, and Vercel to implement a responsive layout and build reusable React components.
- Designing a fully responsive UI and implementing hooks and state management for dynamic client-side rendering.