

Lingzi(Susan) Zhang

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EDUCATION

University of Pennsylvania, School of Engineering & Applied Science, Philadelphia, PA

May 2025

Bachelor of Science in Engineering in Computer Science, Cumulative GPA: 3.93 (Dean's List)

The Hockaday School, Dallas, TX

May 2021

Cumulative GPA: 4.07/4.3, Graduated Cum Laude, Headmistress' Honor Roll

TECHNICAL SKILLS

Languages: Java, JavaScript/TypeScript, OCaml, HTML/CSS; **Tools:** Git, React, Node.js, Redux, Express.js, MongoDB

RELEVANT COURSEWORK

Computer Science: Programming Languages and Techniques I; Mathematical Foundations of Computer Science; *Fall 22: Data Structures and Algorithms; Automata, Computability, and Complexity; Scalable and Cloud Computing

Math and Statistics: Linear Algebra and Differential Equations; *Fall 22: Probability

EXPERIENCES

Penn Labs

September 2022 - Present

Frontend Web Developer

- Created a course checkout page with React, Bootstrap, and the Penn courses API where users can search for courses, view course description and ratings, add/remove a course, rank their preferences, and check out courses
- Maintain and develop new frontend features, such as new course search filters, in collaboration with a team of 8 designers and other developers for the Penn Courses products serving thousands of student on campus

University of Pennsylvania

November 2021 - May 2022

College House Information Center Operation Assistant

- Oversaw the front desk area by answering phones, responding to emails, greeting residents, guests, and vendors
- Assisted residents with issuing keys and access utilizing established key control policies
- Developed customer service and communication skills via assisting residents and communicating with guards

PROJECTS

PennApps XXIII Hackathon

September 2022

- Constructed a plant identification app with sentiment analysis and web scraping under 36 hours in a team of 3
- Styled the app with Bootstrap and extracted data from backend calls to Pl@ntNet's plant identification API, Google Cloud's Natural Language API, and WikiJS library for display on frontend
- Won the Best Use of Web Automation/non-REST API Data Sources and gained experience working with APIs

Q&A Platform

July 2022

- Built backend on Node.js with Express middlewares such as Cookie-Session and user authentication middlewares
- Incorporated MongoDB and handled requests about user accounts and questions with Express and Mongoose
- Connected the frontend and backend with Axios and implemented routes using React Router; styled with Tailwind
- Gained hands-on experience with JavaScript backend and full stack development and working with a database

Dynamic Blog Site

June 2022

- Modeled blog posts with React-Redux to more efficiently manage states of the intro image and text display and post titles, images, and descriptions with actions and reducers for creating, editing, deleting, and saving posts
- Learned about large-scale state management using redux instead of passing props with React

VOLUNTEERING EXPERIENCES

Math Tutor, Volunteer with Intellichoice

September 2018 - May 2021

- Instructed and mentored weekly 1-5 students in grades K-10 struggling with math at school

EXTRACURRICULAR ACTIVITIES

Penn Women in Computer Science, Member

September 2021 - Present

- Participate in career development workshops and social events to meet other women studying CS

Penn Society of Women Engineers, Member

September 2021 - Present

Penn Symphony Orchestra, Member

September 2021 - Present