

# Lingzi(Susan) Zhang

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## TECHNICAL SKILLS

**Languages:** Java, JavaScript/TypeScript, Python, HTML/CSS, C, C#

**Tools:** React, Angular, Node, Socket, MongoDB, Mongoose, AWS DynamoDB & EC2, Git, Docker, Kubernetes

## EDUCATION

**University of Pennsylvania**, School of Engineering & Applied Science

May 2025

*Bachelor of Science in Engineering in Computer Science, Minor in Mathematics*, GPA: 3.92/4.00 (Dean's List)

## RELEVANT COURSEWORK

Data Structures and Algorithms, DevOps, Scalable Cloud Computing, Computer Systems, Discrete Mathematics; \*Fall 2023: Operating Systems, Artificial Intelligence, Databases

## EXPERIENCES

### **Software Engineering Intern**

June 2023 - Present

*Chatham Financial*

- Collaborate closely with 4 other interns to develop a document management system for Chatham's clients in an **Agile** environment using Angular, .NET, and C# with 100% code coverage **unit tests**
- Improve efficiency of internal client services and allow for direct document sharing for **over 300 clients**
- Participate in scrums meetings, pair programming, and code reviews daily and work closely with design

### **Frontend Developer**

September 2022 - Present

*Penn Labs*

- Developed production level features such as course aggregation filters with TypeScript, React, Redux, and Docker for Penn Course Plan which improve academic planning for **100k+ unique users**
- Communicated with designers and developers to maintain code quality through rigorous code reviews

### **Software Developer**

September 2022 - Present

*Hack4Impact*

- Work in teams on projects for local non-profits, such as a resource tree for the Penn Abuse and Sexual Assault Prevention group and a counseling referral system for Anti-Violence Partnership
- Implemented a rich text editor page for admins to edit resources and a backend email automation routes and accumulated experience in MongoDB, Mongoose, Express, and React

## PROJECTS

### **Coding Collab Platform**

April 2023 - Present

- Create a real-time collaborative coding room platform using React, Socket, Express, and Node.js
- Build working Dockerfile and docker-compose file and deployed app on local Kubernetes; experiment with DevOps concepts such as containerization and reproducibility

### **Pennbook**

November 2022 - December 2022

- Created a full stack facebook miniature in a group of 4 with features such as posting, commenting, user registration and information update, live chat, and news recommendations based on the user's interests
- Learned production level AWS DynamoDB, Node, React, jQuery, and deployment using AWS EC2 and further developed communication skills in a collaborative team setting

### **PennApps XXIII Hackathon**

September 2022

- Constructed a plant identification app with sentiment analysis and web scraping under 36 hours
- Developed frontend features with data from PI@ntNet and Google Cloud Natural Language APIs using JavaScript, React, and Express in a team of 3
- Won the Best Use of Web Automation/non-REST API Data Sources award

## EXTRACURRICULAR ACTIVITIES

**Penn Women in Computer Science**, Member

September 2021 - Present

**Penn Symphony Orchestra**, Member

September 2021 - Present