

## Annie Hu

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### EDUCATION

**The University of Texas at Austin**, Bachelor of Science in Computer Science, **GPA 4.0** May 2026

- Turing Scholars Honors Program
- Relevant Coursework: Honors Data Structures, Honors Discrete Math, Honors Computer Architecture, Prediction Mechanisms in Computer Architecture (Grad-level), Linear Algebra, Calculus 1, 2, & 3
- Extracurricular Activities: Women in Computer Science, Girls Who Code, CS Roadshow

### EXPERIENCE

**Roblox**, San Mateo, CA May 2024 – August 2024

*Incoming Software Engineer Intern*

**EquipmentShare**, Remote June 2023 – August 2023

*Software Engineer Intern*

- Ported an entire tax transaction Python project involving 2 AWS Lambdas to TypeScript/Node.js
- Applied functional programming concepts with fp-ts and io-ts to refactor 2 tax commands in TypeScript
- Migrated infrastructure from AWS CloudFormation to AWS Cloud Development Kit (CDK), upgrading to FIFO SNS topics and SQS queues to ensure FIFO order and deduplication in transaction messaging
- Verified functionality by writing Jest unit tests with mocks and by monitoring AWS CloudWatch logs
- **Technologies:** TypeScript, Node.js, AWS (Lambda, SNS, SQS, CDK, CloudWatch), Jest, fp-ts, io-ts

**The Ohio State University**, Columbus, OH January 2021 – August 2023

*Teaching Assistant*

- Graded for Software Components, Low-Level Programming and Computer Organization, Software Development and Design, and Survey of Artificial Intelligence: Basic Techniques
- Created bash scripts that save time by automating part of the grading and test process
- **Technologies:** Java, C, x86-64 Assembly, Vim, Bash Scripting

**The Ohio State University CETI Research Group**, Columbus, OH May 2022 – August 2022

*Research Assistant*

- Explored interpretability and debuggability in neural networks with Dr. Rajiv Ramnath
- Built a Neural Network from scratch that identifies handwritten numbers
- Implemented a reverse back-query method to see inside the networks “mind”
- **Technologies:** Python, Jupyter Notebook, Google Colab, seaborn

**The Ohio State University CETI Research Group**, Columbus, OH May 2021 – August 2021

*Research Assistant*

- Created a transcription process for customer service calls using NLP
- Automated the process of rating the customer service representative based on the call
- **Technologies:** Python, pandas, spaCy, CoreNLP, Google’s SpeechRecognition, NLTK

### PERSONAL PROJECTS

**Clue Guesser**, [anniehu.com](https://anniehu.com) August 2022

- Built full-stack website with React front-end and Django back-end
- Generated AI clues to solve a 3x3 board based on the game Codenames
- Used SQL database to persist login and leaderboard information
- **Technologies:** React, Django, SQL, JavaScript, Python, Azure VM

### TECHNICAL SKILLS

- **Languages:** Java, C, Python, JavaScript, TypeScript
- **Tools:** React, Django, Node.js, Bash, JUnit Testing, Jest, AWS (Lambda, SNS, SQS, CDK, CloudWatch)