

# An Tang

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## EDUCATION

### Carnegie Mellon University

B.S. in Artificial Intelligence and Human  
Computer Interaction - *double major*

- GPA: 3.83/4.00 | Dean's List

Planned May 2023 | Pittsburgh, PA

## SKILLS

### Languages

HTML • CSS • JavaScript • Typescript •  
Flow.js • PHP • Python • Java • C/C++

### Frameworks / Tools

React • React Native • Apollo GraphQL •  
PyTorch • PlayTorch • Expo Snack •  
Figma • Firebase • Android Studio •  
MATLAB • R Studio

## AWARDS

### 2019 Putnam Math Competition

- Rank: 478.5 / 3428

## CLUBS

### Game Creation Society

Sep 2020 - Dec 2020 | Remote

- Wrote and programmed the "Her Story" chapter of the interactive narrative [Liminal](#) with two co-writers
- The game *Liminal* later received the Schell Games Award in 2020.

## COURSEWORK

### Human-Computer Interaction

- User-Centered Research
- Interaction Design Studio
- Programming Usable Interface
- Accessibility
- Human-Robot Interaction
- Service Design

### Artificial Intelligence

- Algorithm Design and Analysis
- AI Representation & Problem Solving
- Advanced Data Analysis
- Natural Language Processing
- Search Engine

## WORK EXPERIENCE

### Meta Platforms Inc.

[AIX SWE Intern](#) | May 2022 - Aug 2022 | Menlo Park, CA

- Developed a cross-platform (Android + iOS) app with React Native
- Designed and implemented a React Native API for rapid mobile prototyping with internal ML server models.
- Collaborated with XFN partners to set up internal login authentication for the standalone app
- Participated in the development of [PlayTorch](#), a framework for building AI-powered mobile prototypes

[CAIR SWE Intern](#) | May 2021 - Aug 2021 | Remote

- Built a self-feeding pipeline for [Project CAIRaoke](#) to collect corrections from users and to learn from model mistakes
- Constructed a React-based UI for users to correct model prediction; refined the UI iteratively with user testings
- Worked with XFN team members to unify redundant data structures and migrated the previous data

### AxisAbility, LLC, d/b/a Mentra

[Front-end Engineer Intern](#) | Jun 2020 - Aug 2020 | Remote

- Built accessible web UI with React and Typescript
- Developed a backend API to allow secure and private file transmission between Google Cloud Storage and the frontend

## PROJECTS

### Collaboration Station | CMU VariAbility Lab

[Research Assistant](#) | Nov 2022 - Present | Pittsburgh, PA

- To promote neuroinclusivity in tech by creating a collaboration station for autistic high schoolers in a [virtual game coding camp](#)

### Gender Demographics in OSS Projects

[Research Assistant](#) | Sep 2022 - Present | Pittsburgh, PA

- Improved the layout and data visualization on our [census website](#)
- Performed user studies to improve the design of the website

### Interactive Training for Motivational Interviewing

[Full-stack Developer](#) | Aug 2021 - Jan 2022 | Remote

- Implemented video-conferencing [website](#) for training novices in motivational interviewing, using React, Figma, and Firebase

### Complete Accessible Trip

[Research Assistant](#) | Sep 2021 - Jan 2022 | Pittsburgh, PA

- Designed and implemented alternative communication components in an iOS/WatchOS navigation app that provides complete trip support for mobility-challenged individuals