

Jeongwoo Choi

jeongwoo@utexas.edu | jeongwoo.xyz | linkedin.com/in/jeongwooc

+1 (940) 218-5406 | Fort Worth, TX

Education

University of Texas at Austin, Austin, TX

May 2024

Bachelor of Science, Computer Science

Courses: Data Structures, Intro to Data Mining, Computer Networks, Cloud Computing, Computer Architecture, Operating Systems, Algorithms, Linear Algebra, Discrete Math

Projects

[TAMS Wiki](#), Maintainer

Feb 2021-Present

- Connected students and collected school memories on public wiki website during COVID.
- Allows almost 1K/month students and alumni of TAMS to see and share their memories.
- Hosted MediaWiki on **AWS EC2** using **nginx**.

Home Server

May 2020-Present

- Deployed self-hosted softwares on Ubuntu home server using **Docker Compose**.
- Maintaining WireGuard VPN, photo gallery, file server, and other services using **bash scripts**.

[Toddle Tale](#)

Jun 2020

- Built an interactive picturebook to help kids learn how to read.
- Developed frontend with **Svelte** for NLP-based, Julia backend process.

[Compacctlly](#)

Jun 2020

- Wrote a web app using **React** and Paccurate API to help charities efficiently package donated goods and lower shipping costs.

[Smart Rod](#)

Feb 2020

- Engineered a smart cane which automatically detects falls using inertial sensors.
- Worked with **embedded C** code on an Arduino, transmitted data to Node.js process.

Room Surveyor

Nov 2019

- Designed a system to generate floor plans using an Arduino and ultrasonic sensor.
 - Processed and visualized data with **Java**.
-

Community Involvement

Freetail Hackers, External Vice President

Feb 2022-Present

- Improved event and experience for HackTX, a 600 person hackathon.
- Helped maintain app deployments for 1K+ users using **GitLab CI/CD**.
- Organized a 200 person hackathon promoting human rights and humanitarian aid.

ACM for Change, Initiative Lead

Jan 2022-Present

- Hosting UT CS faculty and community members for talks regarding ethical software and hardware design.
- Promoting open source and privacy software through technical workshops.

hackTAMS, Lead Director

Apr 2020-Apr 2021

- Led team of 20 to organize a high-school hackathon for 150 participants, 15 sponsors, and dozens of mentors and judges.
-

Skills

Languages: Java, Python, C/C++, JavaScript, HTML/CSS, COBOL

Tools and Frameworks: Git, Linux CLI, bash scripting, AWS, Svelte, React, Docker