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   Dec 2023
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.

Compacctly   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-Mar 2023
- 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, scikit-learn, numpy, pandas, matplotlib,
bash scripting, AWS, Svelte.js, React.js, Docker