

Jeongwoo Choi

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Education

- University of Texas at Austin May 2025
- Bachelor's Degree, Computer Science.
- University of North Texas, Texas Academy of Math and Science (TAMS) May 2021
- High School Diploma, Computer Science Track, GPA: 3.9.
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Skillset

Fluent: Java, C/C++, Git, and Linux.
Proficient: HTML/CSS, JavaScript, and COBOL.
Experienced: R, JCL, React, Svelte, and Python.

Projects

- Toddle Tale - RookieHacks: 3rd place, New Language Category Jun 2020
- Built an interactive picturebook to help kids learn how to read.
- Developed frontend with **Svelte** for NLP-based, Julia backend process.
- Compactly - Geom Hacks: 2nd place, Paccurate API Challenge Jun 2020
- Wrote a web app using **React** and **Paccurate API** to help charities efficiently package donated goods and lower shipping costs.
- Smart Rod - Hacklahoma: 1st place, Hardware Category 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.
- Like a Good Neighbor - HackSMU: 1st place, Design Award Feb 2020
2nd place, State Farm Challenge
- Experimented with **React Native** to build an app that alerts drivers to dangerous situations based on a model trained using TensorFlow.
- Room Surveyor - HackTAMS Fall 2019 Nov 2019
- Designed a system to generate floor plans using an Arduino and ultrasonic sensor.
- Processed and visualized data with **Java**.
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Extracurricular Activities

- HackTAMS - Lead Director Apr 2020-Apr 2021
- Led team of 20 to organize a high-school hackathon (programming marathon) for 263 registrants, 15 sponsors, and dozens of mentors and judges.
- TAMS Computer Science Organization - Volunteering Director Mar 2020-Apr 2021
- Coordinating volunteering opportunities, events, guest speaker panels, and workshops for students interested in Computer Science at TAMS.
- Senior Mentor Apr 2020-Apr 2021
- Mentored first-year TAMS students, provided personal guidance and academic advice to help them acclimate to a college environment.
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Competitions

- Master the Mainframe 2020 - Level 2 Finisher Sep 2020
- Operated on the Mainframe while learning **COBOL**, **JCL**, and Unix.
- FIRST Robotics Competition (FRC) - World Championship Qualifier Apr 2019
- Fabricated metal parts and performed maintenance on an FRC robot using drills, angle grinders, jigsaws, bandsaws, and dremels.