

Cara Wang

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EDUCATION

University of Colorado Boulder

Boulder, CO

Bachelor of Arts in Computer Science and Economics

Aug. 2024 – May 2028

- **GPA:** 3.97
- **Honors:** Engineering Honors Program
- **Coursework:** Software Development, Computer Systems, Data Structures, Database Systems, Discrete Math, Linear Algebra, Statistics with Computer Applications, Intermediate Macro Theory
- **Activities:** Society of Women Engineers (SWE), Women in Economics (WIE), Hackathons (T9 Hacks, Hack CU)

EXPERIENCE

Undergraduate Researcher

June 2025 – Present

CU Bioastronautics Lab

Boulder, CO

- Built and programmed a robotic arm to recognize colors and perform pick-and-place tasks
- Integrated an Arduino to communicate with a camera through the Inter-Integrated Circuit (I2C) protocol
- Developed Human-Autonomy Teaming (HAT) educational modules that use robotics to teach underserved Colorado high school students math and physics concepts
- Collaborated with multi-disciplinary researchers and educators to conduct NSF funded research

Art Instructor

Aug. 2023 – May 2024

Bohwa Chinese School

Boulder, CO

- Taught hobby and realism art classes to 23 students in 2 groups: ages 5-8 and 7+
- Prepared materials, provided constructive feedback, maintained engagement, and supervised a TA

Barista

July 2024 – Sep. 2024

Starbucks

Boulder, CO

- Prepared custom drinks, managed inventory, restocked supplies, and ensured cleanliness of the store

PROJECTS

Cat-Themed Photobooth | *Javascript, HTML, CSS*

- Built an online photobooth with webcam capture and custom stickers, frames, and filter overlays
- Designed and drew original artwork using procreate, including all digital stickers and frames
- Implemented sticker placement, image resizing, and downloadable photo output for a seamless user experience.

Skincare Compatibility Website | *React, Node.js, Supabase, AWS Lambda, Javascript, HTML, CSS*

- Built a React/Supabase web app that allows users to check compatibility between skincare products
- Fetched product and ingredient data via a scheduled automated AWS lambda that scrapes online stores
- Implemented dynamic search and filtering, resulting in a seamless user experience

Bomb Party Game Solo Version | *Javascript, HTML, CSS, Python, Git*

- Collaborated with a team 4 over 24 hours to create a solo browser game (bomb party)
- Developed the front-end user interface with JavaScript, HTML, and CSS, ensuring smooth gameplay and responsive design
- Used Git for version control

TECHNICAL SKILLS

Languages: C++, C, Python, HTML, CSS, JavaScript, SQL, R

Frameworks: React, Node.js

Developer Tools: Git, GitHub, Docker, VS Code, Visual Studio, Arduino, SQL Workbench, AWS Lambda

Design Tools: Adobe Illustrator, Figma, SketchUp, Procreate