

# CINDY SU

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## EDUCATION

**University of Illinois at Urbana-Champaign**

May 2024

*Bachelor of Science - Computer Engineering*

GPA 3.82/4.00

*Minor in Art and Design*

- **Dean's List:** Fall 2020, Fall 2021
- **Coursework:** Human-Centered Product Design, Industrial Design, Database Systems, Computer Graphics, Data Visualization, Data Structures, Electronic Circuit and Systems, Operation Systems

## SKILLS

- **Computer Languages:** JavaScript, html, css, SQL, Python, Java, C++, Assembly
- **Design Skills:** Figma, Adobe Creative Suite, Sketch, Wireframing & Prototyping, Usability Testing

## EXPERIENCE

**Illinois Criminal Justice Information Authority**

Chicago, IL

*Front-end Web Developer*

June 2021-December 2021

- Develop responsive website applications using Vue.js, html and css.
- Collaborate with design teams to construct visually engaging and user-friendly web interfaces.

**UIUC Design Innovation**

Champaign, IL

*UI/UX Designer*

January 2021-May 2021

- Collaborate with a team of 4 to design an educational platform for professors and students.
- Conducted interviews and usability tests, and developed wireframe and prototypes using figma.

**University of Illinois**

Champaign, IL

*Course Assistance*

January 2021-May 2021

- Assisted students in CS125(Intro to Computer Science) through reviewing code in Java, explaining concepts, and answering questions.

## PROJECTS

### Educational Recycling Toy

- **Research:** Collaborate with a team to analyze child learning behaviors, facilitating usability testing for the prototype through literature review.
- **Electronic & Circuit Design:** Integrated electronic components for various functionality and design circuit board to lay out a stable and reliable hardware for the prototype.
- **Arduino Programming:** Led the hardware programming using Arduino to establish connections between various electronic elements.
- **Publication:** Authored an article presented at the 2023 ACM IDC Conference. The paper explores the potential of educational toys to enhance children's understanding of recycling concepts.

### Student-Employer Connection Platform

- **UI/UX Design:** Crafted intuitive and user-friendly interfaces using Figma.
- **Full-Stack Development:** Handled both the front-end and back-end development and built the application using React.js, html, css and SQL, with data management facilitated through Google Cloud Database.

### Pet Finder Web Application (Personal Project)

- **UI/UX Design:** Use Figma to design wireframe and prototypes, crafting high-fidelity interfaces.
- **Web development:** Integrated data from petfinder.com API, developed the web application from ground up with React.js. Using D3.js to convert excel data retrieved from the APL into an interactive dashboard.