

JADEN CASTLE

Innovative Web Developer and UX Designer with expertise in research, human-centered design, and content management.

jadencastle.com
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EDUCATION

**Bachelor of Science, Human-Computer Interaction;
Creative Technology Design Minor**

University of Colorado, Boulder

Relevant Courses:

Designing Interactions, Statistics, Computational Reasoning 1-2, Quantitative Reasoning, Information Ethics and Policy, User-Centered Design, Web Design, Design Foundations, Data Exploration, Data Exposition, Applied Machine Learning, User Design for Digital Media

Certifications:

Google UX Design Professional

Applications & Programs:

Python, JavaScript, SQL, Adobe Creative Cloud, Figma, Tableau, HTML, CSS, React.js, Excel, React, Node.js, Express.js

Skills:

Analytical Thinking, Full Stack Development, Qualitative Research, Prototyping, Usability Testing

WORK EXPERIENCE

Web Developer | Anxiety Force

Jan 2025 - Present

Boulder, CO

- Designed and developed **responsive**, user-friendly web interfaces using **HTML**, **CSS**, **JavaScript**, and modern frameworks like **React**, improving user engagement by **25%** and page load speeds by **30%**.
- Debugged and resolved issues across **front-end**, **back-end**, and **database layers**, optimizing database queries and indexing to improve query performance by **40%**.
- Collaborated with **cross-functional** teams to deliver high-quality software solutions
- Utilized **Figma** for **designing** and **prototyping** to achieve pixel-perfect implementations.

Administrative Assistant | Buff OneCard Office

Jan 2023 - Present

University of Colorado, Boulder, CO

- Handled administrative tasks, including filing and **data entry**, reducing response times by **12%**.
- Facilitated** and **streamlined** in the onboarding of **100+** students by organizing orientation materials and facilitating information sessions

Research Assistant | ITEC Lab (Information Technology Education & Contexts)

May 2023 - Jan 2024

University of Colorado, Boulder, CO

- Conducted 50+ hours of **qualitative interviews** gathering data for a study on women's first year experience in computer science
 - Analyzed and organized **10+** data sets using **Miro**, contributing to a **20%** increase in project efficiency.
 - Collaborated with a team of four researchers to design experiments, leading to 15% more **accurate data collection**.
 - Conducted in-depth **literature reviews** and synthesized findings into actionable insights, contributing to **3 peer-reviewed publications**
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PROJECTS

Women in CS First Year Experience | NCWIT

Goal: Examine the experiences of first-year women in computer science, identifying factors that influence inclusion, exclusion, and retention, with a focus on peer interactions and department culture.

Contribution: Conducted **50+ hours of interviews**, **organized 10+ data sets**, and developed a research database, reducing search time by **40%**. Collaborated with a team to improve data collection accuracy by **15%**.