

Owen Wright

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Education

University of Colorado Boulder – College of Engineering and Applied Sciences <i>Bachelor of Science in Computer Science</i> Relevant Courses: Data Structures, Algorithms, Operating Systems, Database Systems, Machine Learning, Advanced Data Science, Artificial Intelligence, Programming Languages, Cognitive Science, Human-Computer Interaction, Data Mining, Software Development Methods	May 2026
University of Colorado Boulder – Leeds School of Business <i>Bachelor of Science in Business Administration (Strategy & Entrepreneurship; Operations Management)</i> Relevant Courses: Competitive Strategy, Entrepreneurship & New Venture Creation, Entrepreneurial Finance, Project Management, Supply Chain Management, Quality Management, Sustainable Operations, Corporate Boards in Action, Business Law, Business Ethics	May 2026

Work Experience

University of Colorado Boulder — Office of Fraternity & Sorority Life , Boulder, CO <i>Student Assistant</i> <ul style="list-style-type: none">Represented ~6,000 fraternity/sorority students to university administration, ensuring alignment between student needs and institutional policy.Coordinated 20+ trainings/events, boosting student participation 25% and improving programming user experience.Streamlined compliance processes for 20 chapters, achieving 100% adherence and reducing administrative delays.	Sep 2025 – Present
Criticaleye , London, UK <i>IT & Operations Intern</i> <ul style="list-style-type: none">Raised phishing pass rates 40% by launching cybersecurity training for 50+ employees, strengthening trust in IT systems.Re-engineered IT support workflows, reducing tickets by 20% and enabling smoother day-to-day operations across teams.Maintained enterprise SaaS systems with 99.9% uptime, ensuring uninterrupted cross-team collaboration and scalable IT infrastructure.	Jun 2025 – Jul 2025
Lavner Education , Denver, CO <i>STEM Intern</i> <ul style="list-style-type: none">Increased student engagement 50% by designing/delivering robotics curriculum for 75+ students, sparking STEM career interest.Mentored groups of 10-12 students, improving collaboration and driving a 35% higher project completion rate.Introduced applied math modules that improved problem-solving scores by 18%, enhancing student learning outcomes.	Jun 2024 – Aug 2024
University of Colorado Boulder , Boulder, CO <i>Resident Advisor</i> <ul style="list-style-type: none">Drove 30% higher resident engagement through 10+ community programs, fostering stronger peer connections.Mediated conflicts and enforced hall policies, reducing incident reports by 25% while improving resident satisfaction.Advised 40+ residents on academic and personal issues, improving retention by 10% and strengthening campus community ties.	Aug 2023 – Aug 2024
Elkhart Elementary , Aurora, CO <i>Spanish Teaching Assistant</i> <ul style="list-style-type: none">Taught introductory Spanish to 30+ elementary students, fostering early bilingual learning.Designed interactive activities (songs, games, roleplay) that improved vocabulary retention and engagement.Supported lead teacher in lesson planning, ensuring cultural relevance and age-appropriate instruction.	Spring 2022

Leadership & Activities

Student Leadership Consortium , Boulder, CO <i>Member</i> <ul style="list-style-type: none">Collaborated directly with the Vice Chancellor to align university strategic goals with diverse student needs.Partnered with campus leaders to foster cross-functional collaboration and drive university-wide initiatives.Advocated for Interfraternity Council (IFC) priorities, ensuring student voices were central to policy decisions.	Dec 2024 – Present
Interfraternity Council (University-Affiliated Chapters) — University of Colorado Boulder , Boulder, CO <i>President</i>	Dec 2024 – Present

- Partnered with Vice Chancellors and the Dean of Students to implement academic, wellness, and risk management programs across university-affiliated fraternity chapters.
- Spearheaded initiatives to enhance academic excellence and risk management through iterative planning and student feedback.
- Collaborated with the Panhellenic Association and campus organizations to drive mutually beneficial initiatives, fostering unity and strengthening the greater CU community.

Delta Tau Delta Fraternity — Beta Kappa Chapter, Boulder, CO

Oct 2022 – Dec 2024

President (2024); Director of Communication (2023)

- Led operations for 100+ members, raising chapter GPA by 0.3 points and strengthening academic accountability.
- Implemented communication workflows that reduced missed deadlines by 40%.
- Partnered with CU Boulder to host philanthropic events raising \$15,000+ for local charities.

University of Colorado Community Council, Boulder, CO

Aug 2023 – Aug 2024

Member

- Organized 5+ residence hall events per semester, increasing attendance from 50 to 80+ residents.
- Promoted inclusivity with tailored programming and student engagement initiatives.
- Iterated programming using feedback, boosting resident satisfaction by 20%.

Projects

Cookies — iOS screen-time experience turning physical NFC tokens into digital currency

- Developed a "scan-to-unlock" mechanic using CoreNFC and FamilyControls to enforce blocked apps via a custom ScreenTimeManager
- Built a robust backend with Firebase/Firestore handling authentication, session tracking, and real-time usage analytics

Aspect — Desktop-first CAD platform blending modern UI with a headless FreeCAD engine

- Architected a high-performance local pipeline using Tauri and Rust to bridge a Python FreeCAD server with a React/Next.js 3D rendering frontend
- Integrated an AI assistant capable of geometry reasoning and automated shape creation to simplify complex modeling workflows

AmbassaTour — Campus tour-matching platform with real-time GPS tracking

- Integrated payment processing and built modular, microservices-based backend architecture
- Designed for multi-campus deployment and horizontal scaling across university systems

Ledgex — AI-powered bill-splitting app using receipt scanning and computer vision

- Published on App Store with Firebase integration for real-time item matching and multi-user synchronization
- Architected scalable system design supporting thousands of concurrent users

Blooming Emotions — Child mental health app featuring CBT micro-exercises and mood tracking

- Designed privacy-first architecture with anonymized analytics dashboard and caregiver reporting
- Implemented SwiftUI with secure data handling and Firebase backend integration

FiveSongs — Social music-sharing site where users post top 5 tracks weekly; grew to 200+ active users

- Built backend on Firebase with real-time updates and playlist storage
- Implemented social feed and ranking features to increase engagement

Certifications & Awards

Google Project Management Professional Certificate

Project Management Institute Predictive Badge

University of Colorado Emerging Leader of the Year (2023)

Skills

Programming Languages: Swift, Python, C++, HTML, CSS, JavaScript

Product & Strategy: Product Management, User Research, Product Roadmapping, A/B Testing, Data Analysis, Agile, Jira, Figma, SQL, Firebase Analytics

Technical: iOS, macOS, watchOS, Excel, Word, PowerPoint, Xcode

Additional Languages: Biliterate in Spanish

Interests: Soccer, Skiing, Baking, Chess

Note: I qualify for UK Citizenship (for UK employers)