Cassidy Cheesman

Boulder, CO

cassidycheesman.github.io/portfolio/

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Professional Summary

Innovative engineer specializing in rapid prototyping and data-driven design, fueled by athletic experience and published research in wearable technology. Proven ability to translate performance insights into scalable, efficient solutions. Skilled in collaborative problem-solving and accelerating product development cycles for real-world athletic applications.

Experience

Lace AI | Ambassador | Mountain View, CA   Feb 2025 - May 2025
- Represented Lace AI as the sole spokesperson at national conferences, demonstrating deep understanding of underlying AI frameworks and methodologies to effectively communicate highly technical concepts to diverse, non-technical audiences.
- Drove brand awareness and engagement by developing and delivering compelling presentations and pitches of lace.ai software, translating complex AI functionalities into clear, concise value propositions for potential clients and stakeholders.

Hunter Douglas | Motorization Intern | Broomfield, CO   Jun 2024 - Aug 2024
- Managed product assets and coordinated communication across a team of 10+ engineers, designers, and manufacturers, achieving a 15% reduction in project delays.
- Leveraged R and RStudio to analyze 1TB of historical manufacturing data, identifying bottlenecks and inefficiencies in manufacturing processes with the potential to reduce production time by up to 12%.

Cornell University | Research Assistant, Teaching Assistant | Ithaca, NY   Aug 2023 - May 2024
- Developed cutting-edge intelligent sensing systems as a research assistant through CAD, microcontroller processing, and predictive model building, validating and publishing research findings.
- Mentored two 5-person student teams, guiding them in creating microprocessor-based machines, leading to 100% project completion within budget and two award-winning designs at a university showcase.

Prisoner Express | Lead Full Stack Developer | Ithaca, NY   Jan 2024 - May 2024
- Directed a design and development sprint to create a progressive web application, overseeing user research, wireframing, prototyping, and full-stack development.
- Delivered a comprehensive presentation of the final application to stakeholders, highlighting innovative technical solutions and user-centered design strategies.

Cornell University | Researcher | Hiroshima, Japan   Feb 2023 - May 2024
- Authored a 20-page research proposal with detailed cost analysis and methodology, securing approval from a board of 12 faculty and trustees.
- Led cross-cultural research on site in Hiroshima, Japan in conjunction with amateur and professional athletes, being selected as one of ten researchers to present results at the Humanities Scholar Conference.

Google CSSI Program | Participant | Mountain View, CA   Jun 2020 - Aug 2020
- Completed a JavaScript curriculum taught by Google engineers, culminating in a collaborative project presented to Google staff and community leaders.

Education

Cornell University

BA Information Science - Interactive Technology | Asian Studies Minor

GPA: 3.7 | 5x Dean's List

Leadership: NCAA DI Track & Field Captain (2020–2024)

Honors: Excellence in Teaching Award, Graphic Design Award Winner, CBS 4 Future Leader; NCWIT Colorado Affiliate, Office of Naval Research - U.S. Navy/Marine Corps Award

Languages: English (Fluent), Spanish (Proficient), Japanese (Proficient)

Technical Skills: JS, Java, Python, R, PHP, HTML, CSS, Vue.js, React.js, Figma, CAD, Microprocessors

Key Projects

SeamPose Body Position Estimator (CAD, PCB Design, Model Training, Data Collection, Research Writing)

Automated Cocktail Machine (Microcontroller processing, 3D Printing, C++)

Sprinting Automaton (CAD, 3D Printing)

Global Emission Analysis (R, R Libraries, Git)

Posture Correcting App (Figma, UI/UX)

Rafting Tourism Site (Web Development, PHP, DBs, React.js, Git, UI/UX)

Netflix UI Feature Addition (Figma, UI/UX)

SplitFix Mobile App (HCI, UI/UX, Mobile Development, A/B Testing)

Mini Golf Simulator (JS, Git)

References

Joshua Johnson | Director of Engineering, Hunter Douglas, Inc. | joshua.johnson@hunterdouglas.com

Jessica Webster | Senior Product Manager, Hunter Douglas, Inc. | jessica.webster@hunterdouglas.com

Carly Mick | Director of Sports Product Design, Associate Professor | cmick@uoregon.edu