

Wren Bandrowski

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Masters of Environment - CU Boulder

Graduation Spring 2027
URS Specialization

Bachelor of Science in Systems Engineering - the University of Arizona

Graduated with Honors
Minor in ECE & Project
Management

Relevant Coursework:

ENVM 5041 -
Sustainability in Practice

ENVM 6100 - Corporate
Reporting

SIE 457 - Project
Management

ENGR 367 - Engineering
Management

SIE 305 - Engineering
Probability & Statistics

SIE 431 - Simulation
Modeling & Analysis

ENGL 308 - Technical
Writing

Spring 2026 Classes

TBD:

ENVM 5022 -
Communicating for
Sustainability and Impact

Job Experience *Not in chronological order

Colorado Department of Transportation - Materials and Documentation *Engineer in Training ----- April 2024 - February 2025*

- Leveraged R to analyze 64 million data points across 24 years of project records on asphalt and concrete usage, determining real-world road lifespans and informing CDOT cost analysis.
- Updated public-facing documents to adhere to accessible standards
- Toured manufacturing facilities to conduct reviews to assure they were within CDOT standards
- Through independent study, developed proficiency in a range of key areas, including R programming, Mechanistic Empirical pavement design, roadway design principles, epoxy coating technologies, and CDOT's standards and documentation requirements for Local Agency/CDOT projects

Colorado Department of Transportation - Process Improvement *Intern ----- February - December 2023*

- Improved Team Efficiency by 15% by creating better on-boarding materials, advocating for regular team meetings
- Wrote technical documents to record complicated processes and 4 articles about innovative designs
- Personally trained multiple interns as they came into the team
- Designed posters for the Transportation Research Board event that covers wildlife underpass research
- Conducted 10+ interviews to write articles and create videos highlighting stories of innovations
- Updated 20+ public-facing documents to adhere to accessibility standards

University of Arizona - Senior Design Project

Project Manager & Systems Engineer ----- August 2021 - May 2022

- Personally selected to lead a Microsoft-sponsored Senior Design project. Led a team of 5-6 interdisciplinary engineers to design and create a testing rig
- Directed the project from start to finish, starting with conducting interviews and meetings to agree on the basis of the project, and

continued regular meetings with our Microsoft sponsor to assess project progress and challenges

- Successfully led my team in building a functioning prototype, troubleshooting hardware issues, overseeing the production of laser cut/CNC/3D print parts, assembling the tank, managing the budget, and presenting the finished prototype to the college at the annual Design Day where the team [presented to hundreds of visitors](#)
- Curated a supportive and effective team environment Agile Methodologies, consistent communication, and an empathetic leadership style

Ozo Coffee Company - West Pearl Location

Staff ----- April - November 2025

- Greet customers, accurately record orders, and efficiently process payments using a POS system
- Contribute to a sanitary store environment by performing regular cleaning of equipment, work spaces, and customer areas
- Execute a variety of physical tasks in a fast-paced environment while balancing competing demands
- Work closely with colleagues to anticipate customer needs, resolve issues, and maintain a positive team environment
- Foster a welcoming atmosphere by consistently providing friendly, courteous, and professional customer interactions

AURA (Association of Universities Research for Astronomy)

Systems Engineering Intern ----- February 2020 – May 2021

- Documented the current state of the Vera. C. Rubin telescope and assessed important mitigation for risk states as the telescope was being built
- Utilized systems engineering and technical diagramming to organize and update the Vera C. Rubin telescope documentation

Related Technical Experience:

- Proficient and experience in Microsoft Excel
- Done a course on Tableau and PowerBi
- Worked extensively in Canva (this resume & CV is made in Canva)
- Experience with Google Suite / Microsoft Suite / Adobe Suite
- Experience with C, Python, R, Java

Related Activities

- Current volunteer for the Wildlands Restoration Volunteers
- FRC 1339 / 9586 Mentor from (2022 to 2024)
 - Coached students in engineering methods and design thinking
 - Guided successful collaboration and teamwork
 - Hyped students up during competition, and helped students navigation social situations and get needs met during events