

# Ashley Eastman

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Data Scientist

Berkeley, CA • (925) 519-6850 • [ashleyha@berkeley.edu](mailto:ashleyha@berkeley.edu) • [LinkedIn](#) • [GitHub](#) • [Medium](#)

## EDUCATION

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B.A. Data Science at University of California, Berkeley | Business & Industrial Analytics Minor Class of 23'

**Relevant Coursework:** Structure & Interpretation of Computer Programs, Foundations of Data Science, Calculus I, II, Databases, Data Structures, Linear Algebra & Discrete Mathematics, Introduction to Business Analytics, Principles & Techniques of Data Science, Data Mining & Analytics, Introduction to Machine Learning Probability & Risk Analysis, Natural Language Processing, Technology Innovation & Entrepreneurship

## WORK EXPERIENCE

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### Rivian

May 22' - Aug 22'

Data Scientist Intern - Sustaining and Supplier Reliability

- Designed and implemented a machine learning **classification model** that properly classified the exact number of broken welds in future R1T & R1S battery packs during high-intensity stress testing with a 96% accuracy rate
- Deescalated major containment issue's by constructing list of suspected packs that had been manufactured incorrectly and thus contributing directly to avoid thermal events in over a dozen customer vehicles using a combination of **Snowflake** databases, **Databricks** delta tables, and factory data
- Successfully built the Reliability Org's first JIRA Dashboard using **eazyBI**, to provide directors with interactive, high-level insights into team ticket reporting and progress, program milestones and agile sprints

### UC Berkeley Math and Science Initiative - Research

Sep 21' - Aug 22'

Undergraduate Research Assistant - Data Science

- Led a research team to create interactive and educational data dashboards using **python** and **Tableau** for middle/high school curriculum that teachers will interact with and use to teach their students about Data Science fundamentals and relevant data sets that impact the students
- Assisted UC Berkeley Professor Michelle Hoda Wilkerson in qualitative and quantitative research that included gathering, cleaning, and parsing large datasets to integrate into the CODAP platform

### Rivian

May 21' - Aug 21'

Technical Project Management Intern

- Provided direction to the Material Handling and Production Control teams by developing an automated **python** script that strengthened the Product Development Systems team's data pipeline which led to increased trust by cross-functional teams in inventory reporting for R1 and RPV products
- Project managed delivery of self-contained projects i.e tool developments, data, and attribute implementation for program execution in current and future Rivian vehicle builds
- Drove internal sprint processes by leading daily standup meetings, white-boarding sessions, and visiting the manufacturing plant in Normal, IL to help manage inventory and understand our physical receiving process

## LEADERSHIP ACTIVITIES & PERSONAL PROJECTS

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**Universal Language Model Fine-Tuning:** Research to Code Implementation

[GitHub](#)

- Implemented the ULMFiT method for **text classification**, including techniques such as **discriminative fine-tuning**, **slanted triangular learning rates**, and **gradual unfreezing**, as described in the Howard and Ruder research paper
- Applied the ULMFiT model to a real-world text classification task using **PyTorch**, demonstrating ULMFiT effectiveness in improving performance over traditional language modeling methods
- Conducted a thorough analysis of the ULMFiT approach, including a review of the relevant literature and an in-depth examination of the method's key components and their interaction

**Codeology** - Industry Officer

2022 - Present

- Hosts large-scale industry events with various companies in the software/tech industry for 200+ students to provide recruitment support, networking opportunities, and resume building activities
- Director, founder and lead coordinator of Berkeley Codeology's Find-Your-Fit career fair hosted every semester

## SKILLS

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- Python, SQL (MySQL, Snowflake, Pyspark), Java, R, Scheme, PyTorch
- Pandas, Keras, Numpy, sklearn, Dash, Jupyter, Databricks, Tableau, GitLab, JIRA/Confluence, eazyBI
- Strong written, verbal, and presentation communication skills, leading team meetings, organizing large events, effectively presenting to high-level focused directors and non-technical audiences