

Ethan Landers

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SKILLS & CERTIFICATIONS

Programming & Data Analysis: Python, JavaScript, C++, SQL, pandas, NumPy

Data Visualization & BI Tools: D3.js, Vega-Lite, Power BI, Tableau, Seaborn, Matplotlib, Altair

Workflow & Tools: Git, Linux, Observable, OpenRefine

Languages: English (native), Spanish (conversational)

PROJECTS

Medical Breakthrough Dashboard

Mar 2025 – Apr 2025

- Designed and implemented an interactive dashboard using 20th-century U.S. mortality data to evaluate the impact of major medical breakthroughs.
- Leveraged JavaScript, D3.js, Observable, and Vega-Lite to compute trends, filter datasets, and visualize cause-of-death metrics.
- Created intuitive charts to display leading causes of death, total death share per disease, and percent change in death rates post-breakthrough.
- Applied dashboard best practices (clarity, encoding, user interaction) to reveal compelling health insights.

Netflix Film Analysis

Mar 2024 – Apr 2024

- Analyzed correlations between film runtime and viewership for all Netflix films, including the top 50 most viewed, using Python and pandas.
- Developed interactive visualizations to identify trends and present actionable insights to suggest improvements to Netflix's content strategy.
- Identified that longer films had higher viewership and winter months had the highest viewership.

Walkability & Well-Being – An Urban Analysis

Aug 2023 – Dec 2023

- Performed data exploration and cleaned large datasets with Python (pandas) to analyze urban neighborhood features and identify correlations between walkability and well-being.
- Produced visualizations using Matplotlib and Seaborn to illustrate data characteristics and reveal key findings.

EXPERIENCE

Research Analyst Intern | Lee Health

Apr 2024 – Aug 2024

- Conducted in-depth analysis of companies leveraging digital tools to enhance mental health staffing and care delivery.
- Compiled a comprehensive vendor landscape and vetted several promising companies.
- Presented findings to AI Governance Council, including senior leaders and executives.

Educational Program Coordinator | NASA@MyLibrary

Oct 2021 – Jun 2023

- Coordinated and delivered STEM educational programs nationwide via Zoom for young audiences, covering topics such as the James Webb Space Telescope and Python programming.
- Collaborated with NASA and library staff to curate educational content for various age groups and learning levels.
- Developed and delivered engaging Python coding lessons for students.

Student Researcher | Research Experience for Undergraduates Program

Jun 2022 – Aug 2022

- Conducted research to assess the MultiVerS model, an automated system for scientific claim verification.
- Preprocessed data to generate an open-domain dataset with a 75% consensus rate for independent labeling.
- Implemented and assessed the MultiVerS model, identifying limitations and suggesting improvements.
- Published as a coauthor for research findings in the 8th National Workshop for REU Research in Networking and Systems.

VOLUNTEER EXPERIENCES / ORGANIZATIONS

Group Organizer | Tech Alliance of SWFL

Dec 2023 – Present

- Lead community outreach and technology education initiatives for a prominent Southwest Florida tech group with over 800 members, contributing to a combined membership of 2,000 across all associated groups.
- Partner with Grammerhub, a Miami-based tech community, to provide emerging developers with GitHub issues to redesign the Tech Alliance's website, improving its functionality and accessibility while offering hands-on experience through a nonprofit open-source initiative.
- Organize Python SWFL, a member group of the Tech Alliance, focusing on coordinating and leading monthly virtual Python workshops covering foundational Python concepts and applications.
- Host in-person networking events and workshops, fostering connections among tech professionals, students, and industry leaders while promoting knowledge-sharing and career development.

EDUCATION

Old Dominion University | Norfolk, VA

MS in Computer Science, GPA: 3.83

BS in Computer Science, Perry Honors College, GPA: 3.92

August 2025

May 2024