

Ethan Landers

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TECHNICAL SKILLS

Programming & Data Analysis: Python, SQL (Microsoft SQL Server), PySpark, C++, JavaScript, pandas, NumPy

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

Workflow & Tools: Excel, Git, Linux

Soft Skills / Analytical Skills: Data cleaning, data modeling, trend analysis, reporting, stakeholder communication

Languages: English (native), Spanish (fluent)

PROJECTS

Medical Breakthrough Dashboard

Mar 2025 – Apr 2025

- Built an interactive dashboard analyzing 20th-century U.S. mortality data to quantify the impact of medical breakthroughs.
- Used JavaScript, Observable, and Vega-Lite to filter data, compute trends, and create clear visualizations of cause-of-death metrics.
- Implemented best practices in dashboard design to support data-driven insights for health analytics.

Walkability & Well-Being – An Urban Analysis

Aug 2023 – Dec 2023

- Cleaned and explored large datasets with Python to uncover correlations between neighborhood walkability and resident well-being.
- Developed visualizations in Matplotlib and Seaborn to communicate insights effectively.

EXPERIENCE

Business Analyst Real Estate Intern | Chartway Credit Union

May 2025 – July 2025

- Automated monthly mortgage GL expense forecasting by converting a manual Excel model into Power BI with DAX, improving accuracy and reducing processing time.
- Optimized dashboards by writing SQL scripts for improving performance and extracting relevant data.
- Presented findings and impact to 75–85 employees, including C-suite leadership.
- Authored detailed project documentation to support knowledge transfer and future analytics continuity.

Research Analyst Intern | Lee Health

Apr 2024 – Aug 2024

- Analyzed digital mental health vendors, compiled actionable vendor landscape, and presented findings to executives.
- Supported data-driven decision-making by providing recommendations based on structured analysis.

Educational Program Coordinator | NASA@MyLibrary

Oct 2021 – Jun 2023

- Delivered nationwide STEM and Python programming programs for youth, collaborating with NASA and library staff.
- Developed curricula and Python coding lessons, demonstrating ability to simplify complex technical topics.

Student Researcher | National Science Foundation

Jun 2022 – Aug 2022

- Preprocessed datasets to generate high-consensus labeled data (75%) for scientific claim verification.
- Implemented and evaluated MultiVerS model, identifying limitations and proposing improvements.
- Published as a coauthor for research in 8th National Workshop for REU Research in Networking and Systems.

VOLUNTEER EXPERIENCES

Organizer | Tech Alliance of Southwest Florida

Dec 2023 – Present

- Lead community outreach and tech events for a Southwest Florida tech group with 800+ members, contributing to a combined membership of 2,000 across associated groups.
- Manage social media and community engagement across X, Facebook, LinkedIn, and Discord to promote events and initiatives.
- Partner with Grammerhub to provide hands-on opportunities to improve Tech Alliance website for emerging developers through GitHub issues.
- Organize Python SWFL, a Tech Alliance member group, coordinating and leading monthly virtual Python workshops covering foundational Python programming concepts and real-world applications.
- Host in-person events connecting tech professionals, students, and leaders to promote knowledge-sharing and career growth.

EDUCATION

Old Dominion University | Norfolk, VA

MS in Computer Science

August 2025

BS in Computer Science, Perry Honors College

May 2024