Ethan Landers

elanders002@gmail.com | +1 (757) 354-7561 | Estero, FL
GitHub: @ethanlanders | LinkedIn: @ethanlanders | ethanlanders.github.io

SKILLS & CERTIFICATIONS

Programming: Python, JavaScript, C++
Software Development Tools: Git, Linux
Data Tools & Visualization: D3, pandas, Matplotlib, Seaborn, Altair, Tableau, OpenRefine
Languages: English (Native), Spanish (Conversational)

PROJECTS

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

Course Companion   Sep 2023 – Apr 2024
- Designed and built a full-stack Python application to help university educators enhance course material accessibility
- Led a team of eight, managing task assignments and organizing meetings to ensure timely project completion

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

CPU Scheduling & Process Synchronization   Aug 2023 – Dec 2023
- Developed a CPU scheduler simulation using C++ to implement FIFO, SJF, and Priority algorithms
- Simulated 541 processes with varying attributes (arrival time, CPU burst length, and priority) to evaluate scheduling performance

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 like 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 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   August 2025
BS in Computer Science, Perry Honors College, GPA: 3.92   May 2024