

Ethan Landers

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SKILLS & CERTIFICATIONS

Programming: Python, C++

Data Tools & Visualization: pandas, Matplotlib, Seaborn, Altair, Tableau, OpenRefine

Certifications: AWS Certified Cloud Practitioner (2024)

Languages: English (Native), Spanish (Conversational)

PROJECTS

Netflix Film Analysis

Mar 2024 – Apr 2024

- Visualized the correlation of film runtime and viewership for all films and the top 50 most viewed films on Netflix, determining that longer films generated higher viewership
- Developed visualizations determining that winter months (December, January, February) had the highest yearly viewership out of all other calendar seasons

Course Companion

Sep 2023 – Apr 2024

- Utilized Python to build a full-stack application to assist university educators in enhancing course material accessibility
- Led a team of eight in organizing team meetings and tasks to be completed

Walkability & Well-Being – An Urban Analysis

Aug 2023 – Dec 2023

- Conducted data exploration of New York City neighborhoods, revealing no discernible correlation between poverty and walkability yet identified that neighborhoods with lower walkability exhibited higher rates of student obesity
- Employed Python and pandas to clean and manipulate raw datasets
- Generated visualizations using Matplotlib and Seaborn to illustrate dataset characteristics and correlations

CPU Scheduling & Process Synchronization

Aug 2023 – Dec 2023

- Collaborated with a teammate on a comprehensive CPU scheduling algorithms and process synchronization project
- Developed a CPU scheduler simulation with FIFO, SJF, and Priority algorithms
- Utilized C++ to handle 541 simulated processes, addressing arrival time, CPU burst length, and priority

EXPERIENCE

Research Analyst Intern | Lee Health

Apr 2024 – Aug 2024

- Conducted in-depth analysis of companies leveraging chatbots, mini-games, and other digital tools to augment mental health staffing and care delivery
- Compiled a comprehensive vendor landscape and vetted several promising companies
- Presented findings to AI Governance Council, which included senior leaders and physician executives

Educational Program Coordinator | NASA@MyLibrary

Oct 2021 – Jun 2023

- Delivered STEM educational programs nationwide over Zoom for young library audiences covering topics like the James Webb Space Telescope, Python programming, and what a computer science degree may entail
- Improved accessibility to STEM educational experiences for young audiences

Student Researcher | Research Experience for Undergraduates Program

Jun 2022 – Aug 2022

- Conducted full-time research to assess the MultiVerS model, an automated system for scientific claim verification
- Preprocessed data to generate an open-domain dataset, achieving a 75% consensus rate for independent labeling
- Implemented and assessed the MultiVerS model with the newly created dataset
- Identified model limitations and provided insights for future improvements in scientific claim verification systems
- Published as coauthor for research findings in 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
- Partnered 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 its practical applications
- Host in-person networking events and workshops, fostering connections between 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

Expected May 2025

May 2024