Ethan Landers

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SKILLS & CERTIFICATIONS

Programming: Python (Pandas), C++
Data Tools & Visualization: Tableau, OpenRefine, Matplotlib, Seaborn, Altair
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 weekly team meetings

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
- Facilitated a partnership with Grammerhub, a Miami-based tech community, to redesign the Tech Alliance's website, enhancing functionality and accessibility while providing emerging developers with valuable experience through a nonprofit open-source initiative
- Organized and coordinated monthly virtual Python study groups through Python SWFL, a member group of the Tech Alliance, focusing on foundational Python concepts and practical applications
- Hosted 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   Expected May 2025
BS in Computer Science, Perry Honors College, GPA: 3.92   May 2024