Yazdan Basir

Bryn Mawr, PA · yazdan.b.14@gmail.com · 8623405022 · https://www.linkedin.com/in/yazdan-basir/

EDUCATION

Lafayette College   Easton, PA
BA Mathematics *GPA: 3.7*   Aug 2019-May 2023

EXPERIENCE

SEI Investments Company   Oaks, PA
Data/DevOps Engineer   July 2023-Present
- Reduced database production & development failures by 18% as part of Data Cloud team through monitoring, reporting, and code interventions; integrating Azure DevOps processes into data pipelines.
- Developing AI chatbot to assist orientation process of new hires (Python, generative AI, Azure).

Capology, Inc.   Remote
Developer   Sept-Nov 2023
- Developed data pipeline to calculate comprehensive tax study for MLS players across 2007-23.

Lafayette Men's Soccer   Easton, PA
Data Scientist/Analyst   Jan 2023-Present
- Built custom player performance analysis dashboard and backend data pipelines using Wyscout platform and Python, from which insights helped improve team output by 14% and defence by 16%, contributing to team reaching Patriot League final after 2 year absence.

SETI Institute   Mountain View, CA
Research Intern   June-Aug 2022
- Utilized advanced data analysis techniques, including Principal Component Analysis and clustering algorithms, to adapt New Horizons' models for Iapetus surface composition analysis. Under Dr. Cristina Dalle Ore's mentorship, this adaptation provided key insights into Iapetus's hydrocarbon makeup

Gladstone T. Whitman Fellowship   Baltimore, MD; Easton, PA
Research Scholar   Apr 2021-May 2022
- Executed social network analysis through field interviews & Python, mapping West Baltimore's community dynamics. Conducted Economic IMPLAN study to evaluate impacts of proposed venues on community's trust and social capital, offering data-driven recommendations for local development.

Lafayette College   Easton, PA
Digital Humanities Summer Scholar   May-June 2021
- Spearheaded research project on Markov Chains Monte Carlo and geometric analysis for gerrymandering detection, delving into intricacies and legal applications. Presented study to faculty panel.

PROJECTS

The Life App *Python, Django, React*
- Engineering full-stack web application designed to streamline personal productivity. This versatile app integrates features for financial tracking, note-taking, article reading, and managing to-do lists, offering an all-in-one solution for efficient personal management.

Food Tasting *Python, React, Heroku*
- Developing dynamic web app for major Lafayette College event, featuring integration with Giant's inventory. This project aims to revolutionize event planning by automating ingredient submissions, optimizing grocery planning, ultimately enhancing resource allocation & reducing operational ambiguity.

Performance Analyzer *Python, Bokeh, SQLite, Heroku*
- Created intuitive data visualization tool providing robust dashboards and tools for plotting, filtering, and viewing team and player statistics, significantly improving the analysis, interpretation, and communication of performance metrics for enhanced training strategies.

Pet Matchmaker *C++, QtCreator, SQLite*
- Developed an innovative Tinder-style desktop app tailored for pet adoption. Enabled users to find adoptable pets based on personalized preferences and criteria, modernizing the pet adoption process by connecting pet enthusiasts with ideal matches in their vicinity.

SKILLS

Programming: Python, SQL, Microsoft Azure, Java, JavaScript, React JS, Tableau
Certificates: Google Data Analytics Professional; StatsBomb Intro to Soccer Analytics
Other: ChatGPT/Prompt Engineering, Notion, WordPress, PhotoShop, Lightroom, Illustrator

AWARDS

Pi Mu Epsilon Honor Society   Feb 2022
Benjamin A. Gilman International Scholar   Dec 2021
Dean's List, Lafayette College   Dec 2019-May 2023