

Arieh Norton

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code.github.io/CSS-My-Site/

Professional Summary

Junior Software Engineer with a strong foundation in computer science and software development. Proficient in Python with a focus on building scalable, maintainable backend systems adhering to SOLID principles. Experienced in data integration, ETL pipelines, and dynamic CLI tools utilizing Python and MongoDB. Skilled in threading, subprocess management, and Agile workflows with CI/CD practices. Passionate about AI/ML, backend engineering, and continuous learning.

Technical Skills

- Languages & Libraries: Python(OOP, threading, argsparse), SQL, Java, C/C++, HTML, CSS, Pandas, Numpy, MongoDB
- Tools & Frameworks: Git, ETL, DevOps, Jira, Agile Methodology, CI/CD, subprocess management, logging, unit testing with pytest
- Other Skills: Data Integration, Data Validation, Automation, Scripting, AI/ML Fundamentals

Professional Experience

Moovit - Data Integration Engineer

August 2022 - July 2024

- Developed and maintained data integration pipelines, improving client response times by 20%.
- Automated data processes with Python scripts, increasing team efficiency by 30%.
- Led cross-functional projects with Operations and R&D, coordinating tasks.
- Utilized SQL and Python for data analysis, ensuring accuracy and reliability.
- Collaborated in Agile workflows with CI/CD practices for deployment.

IDF - Combat Officer Squad Commander

July 2015 - July 2019

- Led and trained a team in high-pressure scenarios, honing leadership and problem-solving skills.

Education

Ariel University Oct 2020 – Oct 2023

Bachelor of Science in Computer Science & Mathematics | October 2020 - July 2023

- Key Courses: Data Science, Algorithms for AI, Machine Learning, Data Structures, Databases.

Projects

- Automated Data Validation Pipeline: Developed a Python-based tool integrated with SQL, reducing manual checks by 40%.
- AI-Powered Image Processing Tool: Built an ML-based image recognition system with 85% accuracy.

CLI Financial Tracker with MongoDB Integration:

- Developed a Python-based command-line application to track expenses and manage budgets dynamically.
- Integrated MongoDB for persistent user-specific data storage and optimized database queries.
- Implemented threading for real-time notifications and subprocess management for background tasks.
- Leveraged OOP and adhered to SOLID principles for modular and reusable components.

Languages

- English: Native
- Hebrew: Native