Daniel Dekhtyar

AI/ML Engineer

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PROFILE

AI/ML Engineer specializing in model development across tabular, text, and image data. Proficient in Python, PyTorch, TensorFlow, and Scikit-Learn, with a strong foundation in data structures and algorithm design. Continuously expanding knowledge through reading AI research papers and familiarization with emerging technologies to remain at the cutting edge of machine learning advancements.

PROJECT EXPERIENCE

Code Finder — [GitHub](#) | [codefinder.dev](#)   **April 2024 – May 2025**

Skill Set : Python, HTML, CSS, JavaScrip, Jinja, REST API, JSON, Flask, Heroku, Pytest

- Enhanced **GitHub repository search** efficiency, accuracy, and relevance by **building a search engine** that **uses an AI model** to retrieve relevant GitHub repositories through the **GitHub REST API**, and then **sorts the results using a custom-made ranking algorithm**. This innovation has led to **150–250 active users daily** and an estimated **4,000–5,000 monthly users**, offering a **superior alternative to GitHub's native search engine**.
- Developed and deployed a **full-stack** web application in **just 2 weeks** using **HTML, CSS, and JavaScript** for the frontend and **Flask** for the backend, demonstrating **rapid project execution** and **efficient development** from conception to production.
- Elevated search **precision and satisfaction** by implementing a robust backend algorithm that filters and prioritizes **relevant and high-quality results** based on different parametars. This approach has garnered **widespread positive feedback** from users, who **frequently praise Code Finder for its effectiveness and usability**. See feedback on Product Hunt [here](#).
- For more details, go to [codefinder.dev](#)

Geo-Data Processing Automation Project for the Military with Python   **September 2023 – December 2023**

Israeli Air Force

Skill Set : Python, openpyxl library, python-docx library, Pytest

- Automated Excel-to-Word geospatial data conversion, reducing processing time from **12-15 hours of manual work** to **mere seconds** by developing a Python script for my military unit's recurring data transformation needs.
- Identified and eliminated repetitive manual data entry processes by designing an **automated data pipeline** that extracted geographical data from unstructured Excel sheets and reformatted it into a standardized Word document.
- Delivered **significant operational efficiency** by saving approximately **250 work hours over 6 months**, enabling team members to **focus on critical military tasks** rather than manual data entry.

EDUCATION

TECHNION - SCHOOL OF CONTINUING EDUCATION   Haifa, Israel
[Associate's degree - Advanced Programming for Artificial Intelligent Systems](#)   **September 2024 – April 2025**

CERTIFICATIONS

HARVARD'S CS50   Harvard Online
- [CS50x : Introduction to Computer Science](#)   **January 2024 – March 2024**
- [CS50P : Introduction to Programming with Python](#)   **September 2023 – December 2023**

SKILLS

Technical:
- Languages : Python; C/C++; HTML/CSS; JavaScript/TypeScript; SQL(SQLite, PostgreSQL); NoSQL(MongoDB)
- Libraries : PyTorch, TensorFlow, Scikit-Learn, NumPy, Pandas, Matplotlib, Seaborn, NLTK, Flask, Pytest
- Software : VSCode; Jupyter Notebook; Google Colab; Git; GitHub
- Other : ML model development; ML/AI Tools; Data Analysis; Algorithm design; OOP; REST API

Soft:
- Collaborative team player, adept at working in diverse and dynamic environments
- Passionate about continuous learning and professional growth
- Quick to adapt to new technologies and methodologies
- Proven ability to deliver efficient, high-quality results under pressure