Daniel Dekhtyar

AI and ML Engineer

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PROFILE

AI and Machine Learning 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, JavaScript, Jinja, REST API, Flask, OpenAI API, 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 parameters. 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

Bnai Zion Hospital Patient Satisfaction Survey   **March 2025**

Client: Bnai Zion Medical Center, Haifa, Israel

Skill Set: Data Analysis, Python, Pandas, Matplotlib, Jupyter Notebook, Google Colab

- This data analysis project was commissioned by Bnai Zion Medical Center. The analysis examines **real patient satisfaction data** collected by the Israeli Ministry of Health, providing the hospital administration with data-driven insights into patient experience, service quality, and areas requiring immediate attention.
- 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.
- The analysis provided Bnai Zion Medical Center with clear, data-backed priorities for quality improvement. The recommendations serve as a roadmap for enhancing patient experience, improving operational efficiency, and maintaining the hospital's reputation as a leading healthcare provider in northern Israel.

EDUCATION

OPEN UNIVERSITY OF ISRAEL – AFIK MAA'VAR TO TECHNION   **October 2025 – June 2026**
Bachelor's degree - Computer Science

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; SQL(SQLite and 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, OpenAI API

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