

Daniel Vishna

A highly motivated and skilled computer science master's degree student with a strong foundation in programming languages, including Python, C, C++, SQL, Java, and React Native. I am seeking a challenging software development position where I can leverage my technical expertise, problem-solving skills, and passion for algorithms to develop scalable and efficient solutions. I am eager to contribute to a dynamic team environment and further enhance my skills as a software developer.



EDUCATION

2023: master's degree in computer science | The Open University of Israel

- Pursuing a master's degree in computer science, focusing on expanding technical expertise and knowledge of new topics in computer science.
- I took courses on advanced topics in algorithms, computational vision, deep learning, and algorithms for big data.

2019 - 2023: bachelor's degree in computer science | The Hebrew University of Jerusalem

- Graduated with a bachelor's degree in computer science as an extended single major.
- Relevant coursework: Database, Communication Networks, AI, Data Science, OOP, Natural Language Processing (NLP), Image Processing, Machine Learning, Operating Systems.



CERTIFICATES

2024: Rapid Application Development with Large Language Models (LLMs) ([link](#)) | Nvidia

2024: Building Transformer-Based Natural Language Processing Applications ([link](#)) | Nvidia

2024: Fundamentals of Deep Learning ([link](#)) | Nvidia



MILITARY SERVICE & EXPERIENCE

2024-2024: CTO Office Intern | Electronic Government Authority, RAK

- Developed and delivered a 20-hour course on Artificial Intelligence, Algorithms, Computer Networks, and Computer Graphics for high school graduates, demonstrating strong teaching and communication skills.
- Developed a blockchain-based payment mobile app using React Native, following Agile methodology and managing the development process with Jira.
- Assisted in managing multiple projects by tracking milestones and ensuring deliverables were met through Monday.com, providing insights and updates to senior management, which streamlined workflow efficiency.

2017-2018: Information Systems Product Manager Officer | IDF, Ground Forces

- Crafted characterizations for novel information systems, ensuring alignment with user requisites.
- Monitored the development and implementation of 5 new systems.
- Identify ways to streamline working processes by utilizing information systems.



PROJECTS

Font Recognition in Natural Images ([link](#)) - Grade: 95

- Developed an algorithm to identify the font of characters rendered on natural images.
- Applied computer vision techniques, deep learning, and image processing knowledge to a real-world problem.

Stock Trend Bot ([link](#)) - Grade: 90

- Developed a Python-based machine learning model, Reinforcement Learning (Deep Q-Learning), using TensorFlow to predict stock market trends.
- Analyzed historical stock data and implemented various algorithms for prediction.
- Demonstrated proficiency in Python, data preprocessing, and machine learning techniques.

Personalized Job Application Assistant ([link](#))

- Implemented web scraping techniques using Selenium to extract job details from dynamic websites like LinkedIn.
- Integrated natural language processing with OpenAI's GPT-3.5 Turbo to generate personalized cover letters or resumes that address specific job requirements and showcase unique qualifications.



SKILLS

- Proficient in Python, C, C++, SQL, Java. knowledgeable in Git.
- Strong problem-solving and analytical skills
- Effective communication and teamwork abilities
- Adaptability to working under pressure.
- Creative thinking
- Self-driven learning approach



LANGUAGES

Hebrew - Native, English - High proficiency.