YANIV GABAY

0527827822 | yaniv242@gmail.com | github.com/YanivGabay | Linkedin

Teaching Assistant and Instructor specializing in Software Development. Hands-on experience with C++ and Python, comprehensive knowledge in Operating Systems and Data Structures, and a passion for applying technical skills to solve complex problems.

EDUCATION

Hadassah Academic College | **Jerusalem**
Bachelor of Science in Computer Science | *2021 – 2024*

The College of Management Academic Studies | **Rishon LeZion**
Economics and Management | *2018 – 2019*

PROJECTS

Pokemon Game
- Pokemon clone game developed in C++ using SFML, using Tiled for map creation, and TileSon library to import from Tiled. Design patterns and O.O.P principles are applied. The game includes many different monsters, a battle system, different maps, and a save/load system.

WhatsApp Chat-bot
- Twilio basic chat-bot that can send and receive messages and respond to specific commands using Python, .NET, and Twilio API.

Eminem Song Generator
- Generated Eminem songs with different networks and generating techniques, comparing models using Python, PyTorch, Bi-LSTM, GPT-2, and Gemini AI API.

Automated Student Code Evaluation
- Developed a Python script to automate the evaluation of students C code. Using Docker to simulate the students' Linux environment, the script extracts, compiles, checks with Valgrind, runs, compares, logs, and summarizes the results.

ARTICLES

Matrix Techniques in C++ | Medium Link
- Using arrays of linked lists to optimize matrix operations in C++.

WORK EXPERIENCE

Exercise Checker, Operating Systems 1 | **Jan. 2024 – Present**
Hadassah Academic College | *Jerusalem*
- Evaluated the students' weekly coding exercises.

Instructor, Introduction to Computer Science & Modular Programming | **Jan. 2024 – Present**
Hadassah Academic College | *Jerusalem*
- Conducted twice-weekly tutorial sessions covering legacy C++ according to Dr. Yoram Biberman courses.

Co-Founder & Partner, Helboz | **May 2022 – April 2024**
Self | *Modiin*
- Opened with two partners, the first Sport Supplements store in Modiin.

Manager, Tony-Vespa | **February 2015 – January 2021**
Frozenberg | *Modiin*
- Managed the first branch outside TLV, worked in the Rothschild branch to train our team before launch. Oversaw a crew of over 30 individuals. Developed work procedures, handled the hiring process, and managed stock.

SKILLS

Languages Exposure: C++, C, Python, JavaScript, R, Java, Assembly, SQL, Markdown, UML.
Technical Skills: Git, Linux, Mermaid Markdown, Selenium, VMware, SQLite, PgAdmin.
Soft Skills: Multitasking, Determination ,Presentation Skills, Adaptability, Instruction, People Skills, Clarity.

LANGUAGES

Languages: Hebrew (Native), English (Fluent)