Omiros Loupis
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https://omiros-loupis.github.io/Portfolio/
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OMIROS LOUPIS

Applied informatics student at the University of Macedonia with a solid foundation in software and web development. My technical background is complemented by knowledge in Fintech, giving me a broad understanding of both technology and business. Adaptable and eager to learn, i am seeking a junior role where I can apply my diverse skillset to solve real problems while exploring different career paths in the tech industry.

EDUCATION

University of Macedonia

09/2022 – 2026 (Expected)

Specializing in **Information Systems**. Focusing on Software Engineering combined with Business Analytics & Financial Systems

Relevant Coursework: Machine Learning (**Python**), Data Structures (**C**), Object-Oriented Programming (**Java**), Web Development (**HTML/CSS/JS/PHP**), Database Systems (**SQL**), Financial Accounting/Technical Analysis (**Excel**), Mathematics, Digital Marketing, Entrepreneurship.

Github Repository: https://github.com/Omiros-Loupis/Uom-AppliedInformatics

Delasalle Highschool GPA:19.4/20

Completed secondary education with excellence. Strong background in Mathematics and Sciences.

Foreign Languages

English Certification (C2) - French Certification (B2)

ACADEMIC/PERSONAL PROJECTS

Personal Portfolio Website | *Frontend Developer*
- *GitHub Repository: https://github.com/Omiros-Loupis/Portfolio.git*
- *Live Demo: https://omiros-loupis.github.io/Portfolio/*
- **Developed** a responsive, single-page personal website using **HTML5**, **JavaScript (ES6+)**, and **Tailwind CSS** for rapid UI development.
- **Implemented** a system-aware **Dark Mode** toggle feature that persists user preferences using the browser's **Local Storage API**.

- **Engineered** smooth scroll animations and content reveals using the **Intersection Observer API** for optimized performance without external libraries.
- **Designed** a mobile-first interface with a custom responsive navigation menu and "glass morphism" UI effects.
- **Deployed** and maintained the project on **GitHub Pages** using Git for version control.
- **Tech Stack:** HTML5, Tailwind CSS, JavaScript, Git, GitHub Pages.

Personal Finance Tracker | *Python Developer developed a Python-based financial management tool to track, analyze, and visualize personal cash flows.*
- *GitHub Repository: https://github.com/Omiros-Loupis/FinanceTracker.git*
- **Architected** a persistent data storage solution using **SQLite**, enabling robust CRUD operations for income and expense transactions.
- Leveraged **pandas** data frames to generate automated monthly reports, providing detailed analytics on net balance and spending patterns by category.
- **Implemented** data visualization using **matplotlib** to programmatically create and save pie and bar charts for financial insights.
- **Designed** features for data portability, including **CSV export** for external analysis and an interactive menu system for seamless navigation.
- **Tech Stack:** Python, pandas, matplotlib, SQLite, datetime.

Task Management System (CLI) | *Java Backend Developer*
- *GitHub Repository: https://github.com/OmirosLoupis/TaskManagement.git*
- **Architected** a scalable command-line application using **Java 21**, strictly adhering to the **MVC (Model-View-Controller)** pattern to ensure separation of concerns.
- **Implemented** the **Repository Design Pattern** combined with a Service Layer, decoupling business logic from data access and enhancing code maintainability.
- **Integrated** the **Google Gson** library for robust data persistence, handling object serialization/deserialization to manage local JSON storage.
- **Engineered** advanced filtering capabilities using **Java Streams API** to sort tasks by priority (ENUMs), category, and due dates.
- **Tech Stack:** Java 21, Google Gson, MVC Architecture, Repository Pattern, JSON, Git.

TECHNICAL SKILLS
- **Programming Languages**: Java (Object-Oriented Programming), Python (Machine Learning focus), C (Data Structures & Algorithms), PHP.
- **Web Development & Databases**: HTML, CSS, JavaScript, SQL (MySQL/SQLite), Database Design

- **Data Science & Mathematics**: Machine Learning fundamentals, Scikit-learn, Mathematics, Data
- Analysis.

  Business & Finance: Financial Accounting, Technical Analysis, Advanced Excel, Digital Marketing, Entrepreneurship
- **.Tools & Platforms**: Git/GitHub, VS Code, Microsoft Edge (Advanced User)

PERSONAL ATTRIBUTES

- **Analytical Thinking:** Ability to translate complex data into actionable business insights.

- **Adaptability:** Quick learner, capable of switching between technical coding and business strategy tasks.

- **Problem-Solving:** Strong algorithmic background applied to real-world challenges.

- **Communication:** Excellent verbal and written skills in English (C2) and French (B2).

- **Teamwork:** Proven collaboration skills through academic group projects and labs.

- **Business Mindset:** Understanding of financial markets and digital marketing strategies.

LINKS

- **LinkedIn**: www.linkedin.com/in/omiros-loupis-2a1922295
- **GitHub**: https://github.com/Omiros-Loupis
- **X**: https://x.com/omirosloupis
- **Emails**: iis23088@uom.edu.gr loupisomiros2@gmail.com