

Personal Details

- Nationality: Greek
- Date of Birth: November 29, 2004

Professional Experience

- **04/2023 – 03/2024:** Food Services, ICE ROLL GLYFADA
- **03/2024 – 10/2024:** Food Services, FAMILY VOULA
- **10/2024 – Present: Junior Software Developer, Mellon Group (Piraeus Headquarters)**
 - Developed an automated system to monitor and manage Process Errors in banking terminals, improving error detection efficiency, Implemented a Python-based solution with key features:
 - Daily script execution to search and export Proc Errors from terminal log files
 - Automated database storage and processing of error data
 - Robust user interface for error visualization and analysis
 - Automated email notifications for recurring error patterns
 - Currently working on Android EFTPOS testing Automations.

Freelance

- **Spitogatos Scraper:** Developed a custom web scraper for Aquarium Real Estate that extracts private property listings from spitogatos and exports the data to structured Google Sheets and CSVs. Integrated advanced anti-bot evasion and automation features to eliminate manual data collection, saving each real estate agent 5–10 hours per week. This solution saves the agency an estimated €300–€600 per agent monthly in labor costs.
- **Perspective AI:** Built a secure, property-specific AI chatbot using Flask and GPT-4 to assist real estate clients during virtual tours by answering questions based on home-specific data. Integrated encrypted property identifiers to ensure privacy and easy deployment via iframes on listing pages. The solution reduces agent follow-up time by 3–5 hours per property and saves the agency approximately €150–€400 per property in labor and support costs.

PROJECTS

- **DISTRIBUTED SYSTEMS:** Developed a distributed backend for an online food delivery platform in Java, with a multithreaded Master server managing communication with Worker nodes via TCP sockets. Implemented a MapReduce architecture for filtering store data based on user criteria. Built a console-based manager interface for adding stores, managing products, and generating sales reports. Used consistent hashing for data distribution and in-memory storage. Ensured thread safety using synchronization techniques, and handled store metadata in JSON format. Developed the front end of the application using Android Studio to provide a user-friendly mobile interface
- **AI:** Developed a sentiment classification system on the IMDB dataset by implementing machine learning algorithms from scratch, including Naive Bayes (Bernoulli and Multinomial variants) and Logistic Regression with stochastic gradient ascent and regularization. Texts were represented as binary feature vectors with vocabulary selected based on information gain, excluding the most frequent and rarest words. The system achieved approximately **89% accuracy**, with evaluation based on precision, recall, and F1 score, and supported by learning curves. Performance was compared against Scikit-learn implementations and a stacked bidirectional RNN with LSTM/GRU cells and pretrained word embeddings in PyTorch.
- **C++ with SGG Library:** Designed and implemented core gameplay mechanics, including collision detection, dynamic object management (e.g., projectiles, enemies), and player controls. Utilized object-oriented programming principles such as inheritance and polymorphism for game entities (e.g., player, enemies, bullets). Applied dynamic memory management for efficient handling of game objects during gameplay. Enhanced the user experience by including power-ups, sound effects.

Academic Education

- **2022:** 2nd General High School of Glyfada, Glyfada, Athens, High School Diploma.
- **10/2022:** Department of Informatics at Athens University of Economics and Business (AUEB)

Awards And Certificates

- 1st in the Panhellenic Exams in the field of Economic and Informatics Sciences at the 2nd General High School of Glyfada (Year: 2022)
- 2nd in the Panhellenic Exams in the field of Economic and Informatics Sciences at Romvos Tutorial Center (Year: 2022)
- 51st in the Informatics Department at AUEB (2022-2023)
- MIT GSW 2023 Athens
- Commendation from the 9th Mathematics Competition of the Hellenic Mathematical Society
- Commendation from the 10th Mathematics Competition of the Hellenic Mathematical Society

Languages

- **Greek:** Native language
- **English:** Certificate of Lower in English - Michigan Language Assessment (B2)

Interests

Programming, Sports, Cinema, Books

Personal Statement

A highly motivated and results-driven individual, dedicated to continuous learning and professional growth. Adept at adapting to new challenges, with a strong focus on software engineering, particularly in the development of automated solutions and data science. Committed to leveraging knowledge and skills to contribute to future innovations.