Viktoria Miliaraki

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Profile

Undergraduate Computer Science student at the University of Crete with strong foundations in software engineering, systems programming, and algorithmic thinking. Known for being consistent, patient, responsible and hard-working, with a strong determination to meet and exceed any requirements given. Passionate about problem-solving and continuous learning, I thrive both independently and in team environments and am eager to apply my academic knowledge through an internship.

Education

Undergraduate student at the Computer Science department in University of Crete.

Additional Experience

Erasmus+ Youth Exchange Participant:
Middle School: Italy, 2017
High school: Norway, 2018

Participated in school exchange programs focused on intercultural learning and collaborative educational activities. Developed teamwork, communication, and adaptability through international group projects.

Projects

Custom Compiler (C)

Developed a full pipeline including lexical and syntax analysis, intermediate code generation, and virtual machine implementation.

MicroTCP Protocol Implementation (C)

Implemented a simplified TCP-like protocol focusing on reliable transmission, handshakes, and windowing.

Publish-Subscribe Messaging System (C)

Designed a message-broker system using both lists and a binary search tree to manage topics and subscribers.

AI Pacman Game (Python)

Built intelligent agents using A*, Minimax, AB pruning and other algorithms to play Pacman effectively.

Stratego Game (Java)

Simulated a full Stratego board game with GUI.

Pet Care Management System

Web application using Java and SQL (backend), JavaScript, and HTML/CSS for UI.

Car Rental System

Full-stack project with Java AND SQL backend and a dynamic web front-end in JS, HTML/CSS.

Graph Analysis of AI Trends (Python)

Used NetworkX to analyze trends in AI adoption via structured dataset and network metrics

Skills & Abilities

Languages:

- Greek
- English (Proficiency Certificate (ECPE) – C2)

Programming languages I've worked with: C, C++, Java, JavaScript, SQL, Python, Scala, Assembly

Tools & Technologies: Git, VSCode, Eclipse, IntelliJ, Netbeans, NetworkX, Node.js, Matlab

Activities and Interests

- Playing piano - studied for 8 years; developed discipline, focus, and creativity
- Exercising - regular gym training for consistency and mental well-being
- Media – Science fiction and fantasy enthusiast across films and books with interest in storytelling and futuristic concepts
- Travelling - enjoy exploring new cultures