# Kapsis Ilias

*Computer Science Student*

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## Personal Profile

I have a strong academic background and practical experience in Computer Science. I'm confident in my programming skills and enjoy problem-solving. I'm eager to work in a collaborative team setting where I can contribute effectively and keep learning. I'm excited about gaining valuable experience and making meaningful contributions to projects.

## Education

**University of Crete**                                                                                     *Heraklion, Greece*
Computer Science                                                                                           *Sept 2020 - Current*
- **Courses:** Data Structures, Computer Architectures, Object Oriented Programming, Software Engineering, Web Development, Discrete Maths, Calculus, Linear Algebra, Compilers and Virtual Machines, Computer Networking, Servers and Databases, Programming Lab, Computer Graphics, Algorithms and Complexity and more

**High School of Gazi**                                                                                          *Gazi, Greece*
High School                                                                                                 *Sept 2017 - Jun 2020*
- Passed with Distinction , 19.0/20

## Work Experience

**Maria Caffe**                                                                                          *Palaiokastro, Greece*
Waiter                                                                                                 *Summer Periods 2021-2023*
- Proven to be able to be part of a team, and communicate effectively with coworkers.
- I have a proven track record of effectively handling customers, communicating clearly, and consistently demonstrating kindness and empathy in all interactions
- I consistently followed clear instructions provided by supervisors with diligence and precision
- I excel in environments with high pressure, demonstrating my ability to remain calm, focused, and productive while delivering results efficiently.
- **Soft Skills:** Teamwork, Time Management, Communication, Presentation skills, Stress Management, Adaptability, Resilience, Customer Service Skills .

## University Projects

**Created Compiler and Virtual Machine**                                                                       *Heraklion, Greece*
University of Crete                                                                                         *Feb 2023 - May 2023*
- Developed a compiler and a Virtual Machine for a new programming language called Alpha .
- Studied the theory and logic behind programming languages. Used different techniques and APIs to create the compiler.
- **Technical Skills:** C, Linux, Yacc, Bison, Makefile.
- **Soft Skills:** Time Management, Teamwork, Presentation skills, Report writing, Logical Thinking, Problem Solving.

**Java Application with Database**                                                                             *Heraklion, Greece*
University of Crete                                                                                         *Dec 2023- Jan 2024*
- Created a full-blown application for a car rental page where clients can rent different vehicles for specific periods of time. Fully working, with a SQL database for the backend.
- **Technical Skills:** Java, Java Swing, SQL.
- **Soft Skills:** Presentation skills, Time Management, Teamwork, Logical Thinking, Problem Solving, Creativity.

**Implementation of TCP protocol**                                                                            *Heraklion, Greece*
University of Crete                                                                                         *Dec 2023 - Jan 2024*
- Developed my own implementation of the TCP protocol.
- Studied Computer Networking, and understood the purpose of the Transport Layer.
- **Technical Skills:** C, Linux.
- **Soft Skills:** Logical Thinking, Problem Solving, Time Management, Leadership skills.

**Implementing Custom Scheduling Policy**                                                                      *Heraklion, Greece*
University of Crete                                                                                                *Dec 2023*
- Implemented my own scheduling policy named Group Fair Scheduling. Tweaked the Linux kernel and its scheduler accordingly.
- **Technical Skills:** Linux, C, Operating Systems
- **Soft Skills:** Time Management, Teamwork, Problem Solving, Critical Thinking .

**Website for Renting Books**                                    *Heraklion, Greece*

University of Crete                                                          *Dec 2022*

- Developed a full-blown website where Students could register to and then find available books that they want to borrow from libraries near them.
- **Technical Skills:** Java, Java Servlets/ JDBC, HTML/CSS, SQL, JavaScript
- **Soft Skills:** Time Management, Problem Solving, Team Work, Patience.

## Skills

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|---|---|
| **Programming** | Python, C, C++, Java, SQL, HTML/CSS, JavaScript. PHP, Java Servlets, Unity |
| **Miscellaneous** | Linux, Shell (Bash/Zsh), Microsoft Office, Git. |
| **Soft Skills** | Time Management, Teamwork, Problem-solving, Documentation, Engaging Presentation, Leadership,Critical Thinking, Patience, Creativity . |

## Interests

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|---|---|
| **Sports** | I love Sports. I am an active person who loves going outdoors and playing different Sports. My favorite ones are football and basketball and I go to the gym frequently. |
| **Music** | I love listening to Music and discovering new albums. In the future, I would love to learn how to play an instrument. |
| **Programming** | Even though it's my job I love to program in my free time when I find enough time. I like starting small projects. |
| **Cars** | I love cars , but moreover i love driving them. I enjoy going for a ride with my car after a tiring day. |
| **Video Games** | I always had the gaming gene. I don't play as much anymore though. |

## Languages

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|---|---|
| **Greek** | Native proficiency |
| **English** | Professional proficiency |
| **Italian** | A2 Level - Actively learning |

**References available upon request.**