

Dionisia Theofylaktou

Computer Science Graduate

Athens, Greece · 📞 +30 697 953 4975 · ✉️ dtheofylaktou@gmail.com · [in https://www.linkedin.com/in/dionisia-theofylaktou](https://www.linkedin.com/in/dionisia-theofylaktou) · [🐙 https://github.com/dioni-theof](https://github.com/dioni-theof)

Professional Summary

Computer science graduate transitioning from education to software engineering. M.Sc. in Advanced Software Development Technologies with hands-on experience in Java, Spring Boot, and backend development through academic projects. Built computational platforms and database systems, ready to apply technical skills in a professional software development environment.

Technical Skills & Languages

- **Core Technologies:** Java, Spring Boot, Python, Hibernate, JPA
- **Databases & Cloud:** MySQL, PostgreSQL, NoSQL, Cloud Firestore, Firebase
- **Languages:** Greek (Native), English (Professional)
- **Development Tools:** Maven, Docker, Git, UML, IntelliJ IDEA
- **Architecture:** RESTful APIs, Microservices, Design Patterns, Blockchain

Education

- 2019 - 2022 M.Sc. Advanced Informatics and Computing Systems | University of Piraeus**
Grade: **9.03/10** • Specialization: Advanced Software Development Technologies
Key Courses: Advanced Java, Pattern Recognition & ML, Cloud Computing, Secure Programming
- 2008 - 2019 Diploma Applied Mathematical and Physical Sciences | NTUA**
Grade: 6.5/10 • Major: Engineering Physics • Key Courses: Java Programming, MATLAB, OOP

Research Projects & Publications

- 2018 - 2019 Computational Application for Natural Products Database | NTUA Thesis**
Java-based computational platform analyzing 562 research articles, 87 organisms, 19 cancer types, and 105 target genes. Designed NaturaProDB database using Cloud Firestore (NoSQL) with Firebase hosting and data processing algorithms. <https://doi.org/10.1155/2021/9993518>
- 2019 - 2022 Personalized ID using European Blockchain Infrastructure | University of Piraeus Thesis**
Designed blockchain-based identity management system using European Blockchain Services Infrastructure. Developed TrustVault data wallet with Self-Sovereign Identity principles and verifiable credentials for secure digital identity management. <https://dione.lib.unipi.gr/xmlui/handle/unipi/14917>

Personal Projects

- 2024 Course Management System | Spring Boot & PostgreSQL**
- Comprehensive RESTful API built with Java 21, Spring Boot 3.4.5, and Spring Data JPA for educational course operations
 - Features complete CRUD operations for courses and students, course enrollment API, paginated endpoints, and SpringDoc OpenAPI documentation
 - Includes Docker containerization and PostgreSQL integration
 - *GitHub:* github.com/dioni-theof/course-management
- 2024 Reservation System | Spring Boot & PostgreSQL**
- Advanced booking management system with Java 21, Spring Boot 3.4.5, implementing resource availability tracking and scheduling
 - Provides RESTful APIs for reservation CRUD operations, resource capacity management, user booking history, and time-based availability queries
 - Features Docker deployment and Swagger UI documentation
 - *GitHub:* github.com/dioni-theof/reservation-system

Work Experience

- 2024 - 2025 Computer Science & Networks Instructor | Karakaxis (EPAL), Greece**
Taught Python programming and Computer Networks, achieving exceptional results with 4 students scoring 90%+ in national exams
- 2023 - 2024 Computer Science & Physics Teacher | Diakrotima, Greece**
Delivered algorithms and computational thinking curriculum while developing problem-solving methodologies and debugging techniques
- 2021 - 2023 Academic Lead – Science Subjects | Mikro Panepistimio, Greece**
Led curriculum development and project management for science education programs, implementing data-driven progress tracking systems
- 2019 - 2020 STEM Instructor | Mouseio Peiramatou, Greece**
Designed programming activities with LEGO® Education kits while mentoring students in logical thinking and problem-solving