

THEOFANIS NIKOLAOU

Software Engineer

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PROFILE

MSc Software and Systems Engineering student at Universidad Politécnica de Madrid (average grade 8.56/10), with a Computer Science background from the University of Western Macedonia and an Erasmus+ exchange in Computer Engineering at Universidad de Castilla-La Mancha. Focused on iOS development coursework experience in data mining and machine learning. Selected among 5 students per university across a 5-country European program, where my team won the Best Impact Project award.

EDUCATION

Universidad Politécnica de Madrid

Sep 2025 – Present

MSc in Software and Systems Engineering · Average grade: 8.56/10

University of Western Macedonia

2021 – 2025

BSc in Informatics

Universidad de Castilla-La Mancha

Jan 2023 – Jul 2023

Erasmus+ Exchange, Computer Engineering - Computer Networks, Audit Information Systems, VLSI Design

PROJECTS

Data Mining - Cardiovascular Disease Prediction

- Built and evaluated 19 machine learning model configurations (Logistic Regression, MLP, KNN, Random Trees, and more) on a 70,000-record clinical dataset using IBM SPSS Modeler.
- Graded 10/10 as the top submission in the course.

iOS Applications (Swift, SwiftUI)

- Task Organizer: a SwiftUI app built with MVVM architecture for weekly task planning, including a custom PhotosPicker-based profile image flow.
- GameNight: a party-game app with three mini-games, originally built for web (TypeScript) and ported to iOS with Swift and UIKit, maintaining feature parity across platforms.

REDINEST IMPACT LABS (ERASMUS+)

Selected as 1 of 5 UPM students to represent the university in Budapest, alongside peers from the University of Belgrade, Eötvös Loránd University, Université de Rennes I, and University of Évora. Our team, City Voice, won the Best Impact Project award for a civic engagement and urban planning concept, after an online collaboration phase and an in-person camp with international teams.

SKILLS

Languages & Frameworks: Swift, SwiftUI, Python, JavaScript/TypeScript, SQL · Tools & Platforms: AWS, Git, IBM SPSS Modeler · Practices: Agile/Scrum, Software Project Management, Data Mining

CERTIFICATIONS

CS50: Introduction to Computer Science, Harvard University · AWS Academy Cloud Foundations, Amazon Web Services · Scrum Fundamentals Certified (SFC) · REDINEST Impact Labs Summer Camp, Certificate of Completion

LANGUAGES

Greek (native) · English (fluent) · Spanish (conversational) · German (elementary)