

# Christos Petridis

Volos 38221, Greece • [xpetridis9@gmail.com](mailto:xpetridis9@gmail.com) • <https://cpetridis.github.io/>

## Research Interests

Data science, Machine learning, Data mining, Information retrieval, Information visualization, Visual analytics

## Education

Sep 2019 – Expected Jun 2024 **University of Thessaly**, Volos, Greece  
B.Sc. & M.Sc. in Electrical and Computer Engineering 300-ECTS Diploma (5-year Integrated Master)

- Thesis: “*Detecting hull fouling using machine learning algorithms trained on ship propulsion data*”, Advisor: Professor Michail Vasilakopoulos

## Professional Experience

Jun 2023 – Sep 2023 **Angelicooussis Group**, Maran Tankers Management, Athens, Greece  
*Data Scientist in Energy Efficiency Dept. & ICT Engineer in IT Dept.*

- Executed SQL queries and generated weekly reports employing data science techniques (data visualization, performance evaluation, performance prediction)
- Worked with the R&D team on estimation of added resistance for vessels, aiming to reduce environmental impact and improve fuel management (ongoing thesis collaboration).

Jul 2022 – Aug 2022 **Psathas Neilos Christos Software Company**, Volos, Greece  
*Software Engineer Internship*

- Mobile application development (Android, Java) and backend development (API service)

Feb 2022 – Apr 2022 **Swollet Technologies Limited**, Dublin, Ireland  
*Software Engineer Internship*

- REST APIs implementation for mobile and web applications
- Recommendation system implementation for similar courses and users (SVD, TF-IDF, etc.)

## Teaching Experience

Fall 2023 **Teaching Assistant**, ECE311 Database Systems I, *University of Thessaly*  
*Instructor: Professor Michail Vasilakopoulos*

Spring 2023 **Teaching Assistant**, ECE326 Object Oriented Programming, *University of Thessaly*  
*Instructor: Dr. George Thanos*

Fall 2022 - Ongoing **Private Tutor**, *Mathematics and Programming*  
Tutoring high school & undergrad students for their exams

## Projects

- Big Data using Spark and MLlib (Special Topic, University of Thessaly)
- Contributed to a European project called Green Your Freight (GYF) where I developed an Android mobile app and established a Node.js server to handle requests.
- Developed a client-server chat (desktop application) using Java sockets.
- Developed a fully functional file explorer (desktop application) using Java.
- Developed the web app and the mobile app (Android) for a marketplace (8<sup>th</sup> semester special topic, University of Thessaly)

## Skills

Programming Languages & Frameworks C, C++, Python, Java, R, MATLAB, SPSS, SQL, PyTorch, TensorFlow, Keras  
MIPS Assembly, Node.js, Express.js, JavaScript

Databases MySQL, PostgreSQL, MongoDB, Firebase, SQLite

Technologies Git (Version Control), Android Studio, Xcode, Unix CLI, LaTeX

## Languages

**English** (fluent – C2), **German** (advanced – B2), **Greek** (native)