

# Christos Petridis

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## 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)

- Currently overall GPA: 7.84/10
- Currently GPA in the 14 elective courses: 8.76/10

## Professional Experience

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

- Executed data requests through SQL queries and generated weekly reports employing data science techniques
- Worked with the R&D team on estimation of added resistance for vessels, aiming to reduce environmental impact and improve fuel management.

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

- Mobile application development (Android, Java) and backend development (set up a Node.js server & develop the API service)

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

- Assisted the team in implementation of REST APIs to be used in mobile and web applications

## Teaching Experience

Fall 2023 **Teaching Assistant**, ECE311 Database Systems I, *University of Thessaly (Unpaid)*  
*Instructor: Professor Michael Vasilakopoulos*

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

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

## Projects

- Contributed to a European project called Green Your Freight (GYF) developing an android mobile app and setting up a Node.js server to respond to 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, SQL, Node.js, Express.js, JavaScript, MIPS Assembly  
PyTorch, TensorFlow, Keras

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)