Christos Petridis

Volos 38221, Greece • 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 - Currently GPA in 14 elective courses: 8.76/10 (overall GPA: 7.84/10)

Professional Experience

Jun 2023 – Sep 2023	**Angelicoussis 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 Mining using Spark (Special Topic, University of Thessaly).
- Built a deep neural network to classify text documents in categories.
- 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 (Special Topic, University of Thessaly)

Skills

Programming Languages & Frameworks	C, C++, Python, Java, R, MATLAB, SPSS, SQL, PySpark, 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)