Christos Petridis

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Skills

Prog. Languages & Frameworks	Python, Java, R, SQL, PyTorch, TensorFlow, Keras, C, MATLAB, SPSS, Node.js, Express.js, JavaScript
Databases	MySQL, PostgreSQL, MongoDB, SQLite, Firebase
Technologies	Spark, Git (Version Control), Android Studio, Xcode, Unix CLI, LaTeX

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 Michael Vassilakopoulos ▪ Main focus (elective course): data science, (advanced) machine learning, deep learning, data mining, database systems ▪ GPA in (19) elective courses: 8.98/10 (overall GPA: 8.03/10)

Professional Experience

Oct 2023 – Jan 2024 (4 mo.)	**Swollet Technologies Limited,** Dublin, Ireland *Data Scientist & Data Engineer* ▪ Implemented the recommendation system for similar courses and users (SVD, TF-IDF, etc.) ▪ REST APIs to retrieve data from Firebase-Firestore ▪ Responsible for the architecture of Firebase-Firestore
Jun 2023 – Sep 2023 (4 mo.)	**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 (2 mo.)	**Psathas Neilos Christos Software Company,** Volos, Greece *Software Engineer Internship* ▪ Mobile application development (Android, Java) and backend development (API service)
Feb 2022 – Apr 2022 (3 mo.)	**Swollet Technologies Limited,** Dublin, Ireland *Software Engineer Internship* ▪ REST APIs implementation for mobile and web applications

Projects

- Built a deep neural network to classify text documents in categories.
- Big Data Mining 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 (Special Topic, University of Thessaly)

Languages

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

Teaching Experience

Fall 2023	**Teaching Assistant,** ECE311 Database Systems I, *University of Thessaly*
Spring 2023	**Teaching Assistant,** ECE326 Object Oriented Programming, *University of Thessaly*
Fall 2022 - Present	**Private Tutor,** *Mathematics and Programming*