

# Christos Petridis

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## Education

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Sep 2019 – Ongoing    **University of Thessaly**, Volos, Greece  
B.Sc. & M.Eng. 300-ECTS Diploma (5-year degree) in  
Electrical and Computer Engineering

## Professional Experience

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Jun 2023 – Ongoing    **Angelicoussis Group**, Athens, Greece  
*ICT Engineer Internship*  
Summer Internship in the IT Department of one of the world's  
largest shipping group of companies.

Jul 2022 – Aug 2022    **Psathas Neilos Christos Software Company**, Volos, Greece  
*Software Engineer Internship*  
Assisted the team both in mobile application development and  
in the backend development (set up a NodeJS server & our own  
API service).

Feb 2022 – Jun 2022    **Swollet Ltd**, Dublin, Ireland  
*Software Engineer Internship*  
Assisted the team in mobile application development and  
optimizing the website.

## Projects

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- Modified the Linux Kernel for *Operating Systems* class, we replaced some of the algorithms with new ones.
- Developed a 5-stage pipelined MIPS CPU from scratch, for *Computer Organization and Design* class.
- Assisted a team with a European Project called Green Your Freight (GYF) not only in developing the android mobile app but also helped them setting up a NodeJS server.
- Developed a client-server chat (desktop application) using Java sockets.
- Developed a fully functional file explorer (desktop application) using Java.
- Developed both the web app and the mobile app (Android) for a marketplace in place of a class in university (special topic).
- Developed a simple file drive where files are being stored in MongoDB (web app).
- Conducted data analysis on a given dataset for the *Data Mining* class where I created a machine learning model for making predictions.

## Skills

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Programming Languages & Frameworks    C, Python, Java, SQL, NodeJS, JavaScript, HTML, Express, EJS, Swift, PyTorch, TensorFlow

Databases    MySQL, PostgreSQL, MongoDB, Firebase, SQLite

Technologies

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

## Courses - Specializations

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- **Machine Learning Specialization** (inc. 3 courses)  
From *Stanford University & DeepLearning.AI* (*instructor: Andrew Ng*)
  - I. Supervised Machine Learning: Regression and Classification
  - II. Advanced Learning Algorithms
  - III. Unsupervised Learning, Recommenders, Reinforcement Learning
  
- **Deep Learning Specialization** (inc. 5 courses)  
From *DeepLearning.AI* (*instructor: Andrew Ng*)
  - I. Neural Networks and Deep Learning
  - II. Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization
  - III. Structuring Machine Learning Projects
  - IV. Convolutional Neural Networks
  - V. Sequence Models

## Languages

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**English** (fluent – C2),

**German** (advanced – B2),

**Greek** (native)