



# Panagiotis Baklesis

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## Experience

### VIDAVO S.A.

SOFTWARE ENGINEER

Thessaloniki, Greece

Mar. 2020 - July 2020

- Working on extending the functionality of some Python tools, making them usable in a production setting, such as adding MongoDB integration, improving the preexisting solutions.

### IoT Lab

RESEARCH ASSISTANT

Patras, Greece

Dec. 2019 - Present

- Working on the development of an allergy tracing system using sensor data, based on Deep Convolutional Neural Networks. My primary concern is the design and training of the neural network. Technologies used: Python (tensorflow, pandas, matplotlib, etc.)

### Basic & Digital Electronics Lab

TEACHING ASSISTANT

Patras, Greece

Feb. 2016 - Dec. 2019

- My responsibilities include helping my fellow university students to understand the course material better, troubleshoot any problems they might encounter, grade their work, examine them orally, and help maintain the Lab space in working condition.

## Education

### University of Patras

MSC IN COMPUTER ENGINEERING AND INFORMATICS

Patras, Greece

Oct. 2014 - Exp. Feb. 2021

- Working on my thesis on Machine Learning applied to IoT systems, under the supervision of Prof. Sotiris Nikolettseas
- Electives: Algorithms and Combinatorial Optimization, Probabilistic Techniques, Information Retrieval.

### Karlsruhe Institute of Technology

INFORMATICS

Karlsruhe, Germany

Mar. 2019 - Aug. 2019

- Attended courses on Route Planning Algorithms, Algorithm Engineering, and Nature-Inspired Robotic Systems, among others, during my Erasmus semester (SS 2019).

## University Projects

### Software Engineering

MASTERPLAN: AN EVENT SCHEDULING APPLICATION

Patras, Greece

Mar. 2020 - Jun. 2020

- Planned the development of MasterPlan from scratch, following the ICONIX process. Please view my GitHub for details.

### Multidimensional Data Structures and Computational Geometry

BLOOM FILTERS - LOCALITY SENSITIVE HASHING

Patras, Greece

Nov. 2019 - Jan. 2020

- Implemented the abovementioned data structures and performed an experimental evaluation on various datasets, using Python.

### Data Mining and Machine Learning

WEKA PROJECT

Patras, Greece

Jun. 2018

- Used WEKA in order to test and compare supervised and unsupervised ML algorithms (Naive-Bayes, BIRCH, Decision Trees, among others) on given data.

### Principles of Programming Languages and Compilers

EDELMAN (C-LIKE LANGUAGE) PARSER

Patras, Greece

Jun. 2017

- Designed a parser for a C-like language using the open-source tools **flex** and **bison**.

## Skills

**Programming Languages** Python, JavaScript/Node.JS, C/C++, Java

Greek (Native), English (C2), German (C1), Spanish (A2), French (A1)