

Konstantinos Mavrodīs | Software Engineer

Thessaloniki, Greece | +30 6980099726 | kmavrodīs@outlook.com | kmavrodīs.com | [LinkedIn](#) | [Github](#)

Education

Aristotle University of Thessaloniki (AUTH)

Thessaloniki, Greece

Master of Electrical and Computer Engineering | Faculty of Engineering

09/2012 — Present

- **Graduation year:** 2017 | **Graduation grade:** 7.6/10 | **ECTS:** 306 | **Core Courses:** Algorithms, Data Structures, Databases, Machine Learning, Parallel/Distributed Systems, Operating Systems, Computer Architecture, Linear Algebra, Discrete Mathematics
- **Thesis:** Developed Machine Learning and Deep Learning algorithms for detection of crackles and wheezes in lung sounds with 90% accuracy, using MATLAB and Python (Keras Library)

Experience

Microsoft

Thessaloniki, Greece

Senior Microsoft Student Partner (MSP) | Microsoft Hellas

05/2014 — Present

- Managed the local community of 6 MSPs, led the development of 2 projects and was trained by Microsoft in Redmond, Seattle
- Organized more than 10 tech events, workshops and hackathons in cooperation with Microsoft Hellas; spoke in most of them about .NET, Microsoft Azure, Universal Windows Platform, C#, Python, UI/UX, Bots and start-ups

Incadea, a Cox Automotive Brand

Munich, Germany

Software Engineer (4 months contract) | Dealer 4.0 project

07/2016 – 10/2016

- Designed and implemented a futuristic car showroom, which is presented in the largest automotive shows (e.g. Automechanika)
- Worked in a team of 2 and developed Windows and IoT Applications, capable of understanding human emotion, that improve the car-selling experience, using the .NET Framework, C#, Microsoft Azure and Microsoft Cognitive Services

Prognosis

Thessaloniki, Greece

Co-Founder & Software Engineer | Biomedical Technology Lab (SPBTU)

02/2015 – 01/2017

- Engineered a mobile application aiming to Parkinson's Disease early detection, utilizing behavioral data analysis
- Designed and implemented the mobile/cloud ecosystem, managed data flow and pitched to investors and start-up competitions
- The project received worldwide distinctions (e.g. Microsoft Imagine Cup) and EU funding (€4M within Horizon 2020 and AUTH)

P.A.N.D.O.R.A. Robotics, Aristotle University

Thessaloniki, Greece

Undergraduate Researcher & Software Engineer | Robotics Lab

09/2014 – 04/2015

- Wrote C++ code for the software engineering team using the Robot Operating System (ROS) in Linux Systems
- Developed algorithms to map the sensor coverage of an autonomous vehicle able to navigate areas struck by natural disasters

Selected Independent Projects

Hyperchat — Team Lead, Development in Java (Android)

10/2016 - Present

A new way of instant messaging and sharing ideas among friends that is tested by about 50 users

DeliFast — Business Analysis, Prototyping for Android

02/2017 - Present

An online food delivery platform enabling restaurants to do food delivery without employing full-time couriers

Bloodify — Development in C# / XAML (UWP) and Microsoft Azure

02/2015 - 03/2015

A gamified experience of keeping track of blood donations, in order to increase awareness

Skills

- **Technologies:** Proficient [C#, C++, Python]; Familiar [C, CUDA, SQL, Java]; Experienced [Git, Azure, Windows, Android, Linux]
- **Engineering experience:** Biomedical; Machine Learning; Cloud Computing; Parallel Computing; Robotics; Internet of Things; Bots
- **Other skills:** Project Management; Public speaking; Idea Pitching; Playing Football; Speaking Greek, English, German

Awards

1st Place Ability Award, Microsoft Imagine Cup (300,000+ competitors), Microsoft, Redmond, WA

July 2015

National Winner & Europe Finalist, EBEC Engineering Competition, BEST, Porto, Portugal

August 2015

Best Mobile Application Award, ECESCON 7, Aristotle University (AUTH)

April 2014

180.000+ Downloads of my applications in the Blackberry and Microsoft Store

Best Speaker Award, Economic and Social Committee, Model United Nations, Thessaloniki

May 2011