

Petros Dimitrakopoulos

Software Engineer - Computer Scientist

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Education & Qualifications

(09/2015 - 06/2019) Athens University of Economics and Business (AUEB)

- BSc in Informatics (4-year degree, 240 ECTS)
Final average: **7.33/10**
Streams of studies:
 - Databases and Knowledge Management
 - Information Systems and Security

(09/2012 - 06/2015) 1st General Lyceum of Vrilissia

- High School Diploma : **18.3 / 20**

Research Experience

- (09/2018 - 06/2019) BSc Thesis:

Title: "Smart-Views: Decentralized OLAP View Management using Blockchains"

This work explores the use of a blockchain as an immutable ledger for storing historical facts in a decentralised Data Warehouse deployment. The work also proposes a novel modular architecture in which aggregate data cube computations defined by smart contracts are passed to suitable data processing engines.

Supervisor: Prof. [Yannis Kotidis](#)

The paper of this thesis is published in "Proceedings of the 23rd International Conference on Big Data Analytics and Knowledge Discovery (**DaWaK 2021**)".

[Link to paper](#) , [Link to the GitHub repository of the implementation](#)

Professional Experience

- (06/2020 - Present) **iOS Developer**, [EXUS](#), Athens, Greece

Worked as an iOS Software engineer in projects for major telecommunication companies in Europe (such as Vodafone).

Key responsibilities: iOS app development, Software architecture design for clients' needs, Unit testing.

- (10/2019 - 07/2020) **Software Engineer (Obligatory military service)**, Greek Army (KEPYES), Athens, Greece

Served my obligatory military service as a Software Engineer in the IT support centre of Greek Army (KEPYES).

Key responsibilities: Full stack implementation and maintenance of internal web applications (Java EE), Analytical SQL queries development, Unit Testing, Generating analytical reports for Greek Army officials on a daily basis.

- (09/2015 - 06/2019) **Freelance Software Developer (Fullstack)**

Worked as a freelance software developer while studying. Collaborated with many international clients mainly operating in maritime industry and delivery services.

Key responsibilities: iOS development, back-end, front-end web development.

- (09/2016 - 05/2018), **iOS Developer**, Vieno, Athens, Greece

Worked as an iOS Software engineer for Vieno, a mobile app that was active in the entertainment sector.

Key responsibilities: development and maintenance of the iOS app, KPI monitoring (active users, ratings, reviews etc)

Skills

- Programming:
 - Excellent knowledge of Python, Java, Swift, Matlab, R, Javascript, C++, SQL, Solidity, Visual Basic, Bash
 - Very experienced with iOS app development, Node.JS framework, Django Framework, Microsoft Azure, Tensorflow and Keras frameworks for machine Learning.

- Languages:
 - English: Certificate of Proficiency in English (C2 - University of Michigan) - 05/2013
 - French: Diplôme approfondi de langue française - DALF (C1) - 05/2014

Key Projects (undergraduate studies)

- (2019) BSc thesis: “Smart-Views: Decentralized OLAP View Management using Blockchains.
- (2018) A machine learning classification model predicting the capacity of flights based on real data. ([Project implementation link in GitHub](#), project in the “Data Mining” course).
- (2018) A security proposal for a small company that processes personal data by making a risk assessment of its given topology (as a project in the course of “Information Systems Security”).
- (2018) A distributed system that assigns load on different servers to suggest possible points of interest in a city based on user’s history by implementing a Matrix Factorization algorithm for Machine Learning introduced by AT&T (as a project in the course of “Distributed Systems”).
- (2016) Image editing software in C++ (as a project in the “Computer programming with C++” course).

Accomplishments, Awards and Recognitions

- Completed **more than 20 Computer Science related MOOCs** in edX, Coursera and Udemy between 2013 and 2020 (Full list is available on my [LinkedIn profile](#))
- Received the official “**Congratulations**” **award of excellence** from the **Chief of General Staff of the Greek Army** for the results of the work I did as a Software Engineer during my obligatory military service. - 07/2020
- I have **performed the following presentations** in various events:
 - Security in Node.JS: The bare minimum (Node.JS Meetup Athens, 05/ 2018)
 - Unit Testing Node.JS APIs (Node.JS Meetup Athens, 11/2018)
 - Introduction to Mobile Apps Development (Europe Code Week 2014, Athens)
- 1st prize in [EUXCEL](#) 2015 European Virtual Accelerator and “[Ennovation](#)” startup contest with **Timejack**, a smart-queueing system optimising waiting time in queues.
- 1st prize in "Central hackathon" competition (<http://centralhackathon.gr>) - 05/2018
- 2nd prize in “CruiseINN” technology competition (<https://getcruiseinn.com/>) - 05/2016
- **TEDx Speaker: Talk title:** “Coding with my heart” - 05/2015 ([YouTube link to the talk](#))
- 3rd place in the local mobile application development competition “Efarmogiada”, 04/2013

Volunteering activities

- (10/2015 - 10/2016), **IT Manager / Web Developer**, [TEDxAUEB](#), Athens, Greece

Member of the organising committee of the TEDx organisation of Athens University of Economics and Business (AUEB).

Key responsibilities: Development and maintenance of the website, administration of the email accounts for all members of the organising committee (almost 30 persons).

- (05/2014 - 02/2018), **Greek ambassador**, [CodeWeek EU](#)

Ambassador of Greece for the European initiative CodeWeek for the time period 2014-2018. Europe CodeWeek is an E.U initiative which aims to bring coding and digital literacy to everybody in a fun and engaging way.

Conferences, Seminars and Workshops

- Participation in panel discussion with title: “4 young entrepreneurs share their experiences” - PANORAMA of entrepreneurship, Athens, 03/2017
- Participation in student conference “Athens Model United Nations”, Athens, 05/2014
- Participation in 27th National Selection Conference of “European Youth Parliament” **and selected to be member of the National team** that represented Greece in “European Youth Parliament” events around E.U., Athens, 04/2013
- Participation in Mozilla Firefox OS App Day Conference, Athens, 01/2013
- Participation in “Digital Agenda For Europe, Going Local 3” (invited by the “Office of the EU parliament in Athens”), Athens, 01/2013
- Participation in “Digital Agenda for Europe Assembly 2012” (**invited by the “Directorate-General for technology - DG CONNECT”**), Brussels, 06/12

Interests and Hobbies

- Amateur long distance runner since 2016, participated in **Athens Marathon**, Athens Half-Marathon and various trail races in Greece
- Sailing: Open Sea Sailing License, 2018