




# GIANNIS PAPAMICHAEL


## COMPUTER ENGINEER


### PERSONAL INFO


 23-06-1993


 Athens, Greece

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### EDUCATION

OCTOBER 2011 – FEBRUARY 2019  
**Electrical and Computer Engineering**  
National Technical University of Athens  
Master of Engineering – MEng  
Concentration fields:  
Computer Software, Computer Systems,  
Telecommunication Systems and Computer  
Networks  
Diploma-thesis:  
Social Media based Event Detection system,  
using Natural Language Processing techniques  
and Machine Learning

SEPTEMBER 2008 – JUNE 2011  
**52<sup>nd</sup> High School of Colonos, Athens**

### LANGUAGES

- Greek – Native
- English – B2

### WORKSHOPS

2016  
Google Hash Code Competition

2015  
IEEEExtreme Programming Competition 9.0

2014  
Android Workshop organized by Electrical  
Engineering Students' European Association  
(EESTEC)

### PROFILE

Creative and solution-oriented Computer Engineer with in-depth knowledge of algorithmic complexity and data structures. Open minded. Driven and self-motivated, while enjoying teamwork and collaboration. Strong engineering professional graduated from school of Electrical and Computer Engineering at National Technical University of Athens.

Passionate about new technologies and experimentation. Skilled in Mathematics, Software development, Web development and Algorithm design. Experienced in Data Analysis, Natural Language Processing and Machine Learning.

### SKILLS

#### Programming Languages

C  
C++  
C#  
Python  
Java  
Assembly  
ML  
Prolog

#### Databases

MySQL  
PostgreSQL  
MongoDB  
Redis  
ElasticSearch Queries

#### Scripting Languages

Bash Script  
Matlab  
Awk

#### Version Control Systems

Git

#### Machine Learning

Natural Language Processing  
Data Analysis  
Tensorflow

#### Web Development

Javascript  
Typescript  
Angular2  
NodeJS  
ExpressJS  
ASP.NET  
Rest APIs  
HTML  
CSS3  
SASS, LESS  
Bootstrap, Materialize

#### IDEs

Matlab  
Wireshark  
Visual Studio  
IntelliJ IDEA  
Unity

#### System Administration

GNU/Linux  
Microsoft Windows  
Networks

#### Automation Tools







Gulp

#### Extras

Google Cloud Platform  
Google Analytics

## INTERESTS

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-  Classic Guitar 10-year Studies
-  Basketball player in Iason Colonus
-  Driving professional license
-  Reading
-  Movies
-  Music

## PROJECTS

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### Diploma-thesis

Social Media based Event Detection system  
Natural Language Processing  
Unsupervised Clustering

### Computer Operating Systems

Process Management and Interprocess Communication  
POSIX Threads Synchronization Mechanisms  
Process Scheduling

### Computer Operating Systems Lab

Wireless network sensor driver for linux operating system  
Encryption device for QEMU-KVM  
Encrypted Chat interface over TCP/IP

### Computer Graphics

2D Pong Video Game - Unity

### Software Engineering

VoIP Application  
Modern Web Application (using NodeJS, Elastic Search & Angular2)

### Artificial Intelligence

Intelligent Robot with automated movement

### Multimedia Technology

Flight Simulator

### Internet Applications

Web Application using (TCP, Sockets)  
REST API

### Databases

Backend SQL server  
Backend no-SQL server

### Parallel Processing Systems

Conway's Game of Life - OpenMP  
Floyd - Warshall Algorithm - Threading Building Blocks  
Heat equation (Jacobi, Gauss - Seidel SOR, Red - Black SOR methods) - MPI  
Dense Matrix - Vector Multiplication - CUDA

### Cram School Website

Static Website for Student Compass cram school  
studentcompass.edu.gr

### Rowing indoor Website

Dynamic Website for rowing indoor competitions