

# MICHAIL GIANNOULIS



Master Student

## PROFILE

---

Michail Giannoulis is currently a Master Student at Computer Science Department (CSD), University of Crete. He holds a B.Sc in Software Engineer from University of Applied Sciences, Technological Institute of Crete. His interests include machine learning, neural networks, semantic-based, big data management topics and their applications in healthcare. More specifically he has more than five publications in international conferences including ACM, CBMS, JBHI, HBIO and journal on Elsevier such that on ESWA which has an impact factor (3.768). He has been teacher assistant at the Computer Science Department of University of Crete, on lessons Logic, Programming and introduction to computer science. He was member of the Computational BioMedicine Laboratory (CBML), Foundation Research & Technology-Hellas (FORTH) as a bachelor student.

## EDUCATION

---

**2020** | **Master** **University of Crete**

2/2018-2/2020: Currently enrolled in Master Programme of University of Crete, pursuing a master in "Information systems and human computer interaction" as well as "algorithmic and system analysis".

**2017** | **Bachelor** **University of Applied Sciences Crete**

9/2013-9/2017: Graduate of the University of Applied Sciences Crete, Technological Educational Institute of Crete, Department of Informatics Engineering.

Grade: 8.43/10.

**2013** | **High School** **General Lyceum of Mires**

2010-2013: General Lyceum of Mires Heraklion, Crete.

Degree of Certificate: 15/20.

## RESEARCH INTERESTS

---

- Machine Learning.
- Big data and Data management.
- Knowledge Systems.
- Neural Networks.
- Natural Language Processing.
- Knowledge Representation.
- Non-monotonic Reasoning.
- Semantic Web.

## WORK EXPERIENCE

---

### 2018 | Intership

FORTH

(3/2017 – 5/2018)

Michail Giannoulis has implemented Calchas (<http://calchas.ics.forth.gr>) a search engine for biomedical tools using semantic web technologies and NLP. The search engine implemented was presented at the Greek Bioinformatics Conference and is now the machine used by the European infrastructure for biomedical tools ELIXIR (<https://www.elixir-europe.org/>).

Michail Giannoulis implemented graphical imaging algorithms (Smart Analytics Engine) for the iManageCancer H2020 project.

### 2017 | Bachelor Thesis

FORTH

(3/2017 – 8/2017)

Michail Giannoulis has introduced and implemented COSMOS (<http://cosmoss.duckdns.org:8082/>) a collaborative knowledge system that allows experts to express knowledge in the form of temporal rules that then run in a database of patients from the European iManageCancer project.

## STUDIES – PUBLICATIONS

---

### 2019 | Journal Publication

Michail Giannoulis, Haridimos Kondylakis and Emmanouil Marakakis, "Designing and Implementing a collaborative health knowledge system", Elsevier Journal of Expert Systems with Applications, 2019. (Impact Factor: 3.768)

### 2018 | Conference Publication

Mihalis Giannoulis, Emmanouil Marakakis and Haridimos Kondylakis, "COSMOS: A collaborative knowledge system for Cancer Diseases", ACM Petra, 2018.

### 2017 | Conference Publication

Michalis Giannoulis, Emmanouil Marakakis and Haridimos Kondylakis, "Developing a collaborative knowledge system for Cancer Diseases", 30th IEEE International Symposium on Computer-Based Medical Systems.

### 2017 | Bachelor Thesis

Mihalis Giannoulis "Development of a web-based knowledge system with collaborative update of knowledge by using ontologies and managing uncertainty", October 2017.

### 2017 | Conference Publication

Lefteris Koumakis, Mihalis Giannoulis, Haridimos Kondylakis, Alexandros Kanterakis and George Potamias, "Calhas: A Semantic Search Engine for Bioinformatics Resources", Hellenic Bioinformatics (HBIO), 2017.

## TEACHING EXPERIENCE

---

### 2018 | Teacher Assistant

Lesson "Introduction to Computer Science" at the department of Computer Science at University of Crete.

### 2018 | Teacher Assistant

Lesson "Programming" at the department of Computer Science at University of Crete.

### 2017 | Teacher Assistant

Lesson "Knowledge Systems" at the department of Software engineer at Technological Institute of Crete.

## **PROGRAMMING LANGUAGES**

---

JAVA, PYTHON, SCALA, C/C++, C#, Prolog, ASP, Matlab, JavaScript/JQUERY, PHP, CSS, HTML, SQL, Assembly.

## **OTHER RESEARCH ACTIVITIES**

---

### **2018 | Reviewer in International Conferences**

IEEE International Conference on Data Engineering (ICDE), 2018.

### **2017 | Reviewer in International Journals**

International Journal of Web Engineering and Technology (IJWET), 2017.

## **LANGUAGES**

---

### **2011 | English**

November 2011: Level B2 National Foreign Language Exam System (KPG).

## **OTHER KNOWLEDGE**

---

- Holder of car driving license.
- Holder of motorbike driving license.

## **PERSONAL INTERESTS**

---

- Kick Boxing.
- Volleyball.

## **SKILLS**

---

- Oral Communication.
- Written Communication.
- Work Under Pressure.
- Leadership Skills.
- Human Resources Management.
- Teamwork.
- Negotiating Capabilities.
- Making Decisions.

- Time Management.
- Initiative.

**DATE OF BIRTH:** 24/11/1995

**FAMILY SITUATION:** NOT IN MARRIAGE

**NATIONALITY:** GREEK

**MILITARY OBLIGATIONS:** NON-COMPLETED