

# Orfeas Aidonopoulos

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## Education

OCTOBER 2012 - OCTOBER 2014

### National and Kapodistrian University, Athens, Greece

MSc in Bioinformatics

Research interests: Computational Biology, Information Retrieval, Machine Learning

OCTOBER 2004 - OCTOBER 2010

### University of Patras, Greece

Computer Engineering and Informatics

Research interests: Data structures, Algorithms theory, Machine Learning/AI

## Experience

MARCH 2018 - PRESENT

### OKTABIT S.A.

RnD: Software Engineer and Data Scientist

#### Key Responsibilities:

- **Research and Development** at OKTABIT's new software department. Work mainly on "*Scibyl*": A recommendation engine that analyzes behavior of e-shop' customers and provides personalized recommendations- *Clustering and Supervised learning algorithms, Recommendation algorithms, Validation of results, A/B testing*
- **Software development:** Design, produce and optimize the intelligence component of the recommendation platform (advanced analytics, training of prediction models, APIs) - *Python developer for production (using ML libraries: scikit-learn, pandas, numpy, etc), MySQL and MongoDB scripting, Docker containers, Agile programming, Big fun of Scrum management.*

Research Interests: Information retrieval, Data mining & Machine Learning, Recommendation systems on user behavior

MARCH 2015 - MARCH 2018

### "ATHENA" Research and Innovation Center, Athens, Greece

Software Engineer and Data Scientist

#### Key Responsibilities:

- Leveraging python libraries for Machine Learning (scikit-learn, numpy, pandas, etc) I design and implement analytics pipelines for biomedical use-cases within the European Commission's Horizon2020 Framework Programme. For instance, having big patient cohorts, we try to identify the most significant factors that underlie a disease or train

classification models in order to “learn” from data and then can predict patients condition,in short or long term - (Projects: [MD-Paedigree](#), [My-Health-My-Data](#)).

- **Software development** of a web-based data analytics platform  
(*back-end: python, SQLite, UNIX/bash / front-end: javascript (jquery, d3, slickgrid), HTML5, CSS*)
- **Development contribution** to “madIS” open-source extensible relational database system built on top of the SQLite with extensions implemented in Python  
(<https://github.com/madgik/madis>)

Research Interests: Machine Learning, Information Retrieval, Database design

NOVEMBER 2013 - JANUARY 2015

**ProtATonce LTD (now Protavio LTD), Greece**

Junior Data engineer/Scientist and Research Assistant

#### **Key Responsibilities:**

- Software development of an automated classification system of clinical trials integrating genomic and phosphoproteomic data  
(C#, SQL, perl, python, MATLAB, UNIX/bash)
- Research associate with *National and Kapodistrian University of Athens* for designing statistical analyses in order to compare or identify new signalling pathways under different drugs or substances.

Research Interests: Systems Biology, Bioinformatics, Machine Learning

#### **Awards**

MAY 2014 , National and Kapodistrian University of Athens, Greece

Best Academic Performance: Scholarship for best academic performance in his post-graduated (MSc) studies on Bioinformatics

#### **More about me**

I always set myself high targets on the road to expand my knowledge and skills balancing fruitfully both my intellectual breadth and depth. Having studied Computer Engineering and acquired MSc in Bioinformatics, I am enthusiastic about offering solutions in real world problems through data science. I am a social and a high-motivated individual who always seeks new environments or teams with a "give and take" spirit. Hence, "socialization", "teamwork" and "self-motivation" are the three keywords to describe myself. In my spare time, I pull out my stress and find my "balance" by travelling and meeting new cultures, playing the piano or composing. From time to time I also tend to keep myself fit and healthy in tennis courts.