Alexandros Marantos

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PERSONAL DETAILS

Date of Birth: January 5, 1995
Nationality: Greek
Gender: Male

ACADEMICS

Master of Science (MSc) in Data Science
National Center for Scientific Research "Demokritos", Greece   *2019 - 2021*

Bachelor of Science (BSc) in Computer Science
University of Crete, Greece   *2013 - 2019*

> **Bachelor Thesis:** Implementation of algorithm in C for finding genomic loci in Homo Sapiens' DNA that come from introgression between Neanderthal and Homo Sapiens.

WORKING EXPERIENCE

- **National Observatory of Athens (NOA) - Institute for Astronomy, Astrophysics, Space Applications and Remote Sensing (IAASARS)**
  Software Engineer   *April 2020 – Present*

- **NOKIA**
  Software Engineer   *April 2019 – March 2020*

- **Computational BioMedicine Laboratory (CBML) – Institute of Computer Science (ICS) – Foundation for Research and Technology Hellas (FORTH)**
  Software Engineer Intern   *February 2019 – April 2019*

- **Computational BioMedicine Laboratory (CBML) – Institute of Computer Science (ICS) – Foundation for Research and Technology Hellas (FORTH)**
  Undergraduate Research Fellow   *June 2018 – September 2019*

Academic Supervisor Dr. Pavlos Pavlidis

Notable Project:

Bachelor Thesis: Implementation of algorithm in C for finding genomic loci in Homo Sapiens' DNA that come from introgression between Neanderthal and Homo Sapiens. This tool provides support for pattern matching in huge datasets dealing with complex memory management. Furthermore the algorithm supports multithreading for speed enhancement.

o **"Asylum for the underaged"** (property of the Ministry of Justice), Heraklion, Greece
   Mathematics, Physics Teacher – Volunteer   *November 2015- March 2017*

ATTENDANCE IN SCIENTIFIC CONFERENCES

o Computing System Weeks Autumn 2018, European Network on High Performance and Embedded Architecture and Compilation (HiPEAC - CSW 2018)
   29-31 October 2018, Heraklion Greece
o 7th International Young Scientists Conference in Computational Science (YSC-2018)
   2-6 July 2018, Heraklion, Greece
o The 14th International Conference on emerging Networking EXperiments and Technologies (CoNEXT 2018)
   4-7 December 2018, Heraklion Greece

TECHNICAL SKILLS

Programming Languages: Python, C, R, Bash, JAVA, C++, HTML, CSS, Javascript, SQL, Angular

Operating Systems: Windows, Linux (Ubuntu, Mint, CentOS, RedHat, Debian etc), UNIX

Applications: Git, Dockers, ElasticSearch, Logstash, Apache Kafka, Flask Framework, Apache Avro, MongoDB, SciKit Learn, Keras, JIRA, Jenkins, Matlab, Wireshark, LaTeX, GNU Radio, Eclipse, SQL, Microsoft Visual Studio, PAUP, MEGA, jModelTest, MrBayes, Microsoft Office, Kibana, Grafana, Haproxy

Networking: TCP/IP, UDP, HTTP protocol, SSL

LANGUAGES

Greek: **Native Proficiency**

English: **Full Professional Proficiency**   C2 Degree - University of Michigan
                                                        B2 Degree - University of Michigan

German: **Limited Working Proficiency**   B1 Degree - Goethe-Institut