

Christina Isakoglou

SOFTWARE ENGINEER

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Work Experience

✓ Everbridge

Deventer, Netherlands

SOFTWARE ENGINEER II

Nov. 2022 - Present

- I specialize in managing the Element Manager product, an advanced ETL (Extract, Transform, Load) tool designed for real-time alerting during critical situations. Within this role, I oversee the collection and processing of diverse data streams originating from individual nodes and clusters. Leveraging a cutting-edge tech stack comprising Telegraf, Kafka, Benthos, Elasticsearch, and Kapacitor, we ensure efficient data flow, analysis and reporting while capitalizing on state-of-the-art observability tools. Currently, I'm leading the effort to containerize and deploy the product in Kubernetes enhancing its scalability and portability.

Skills involved: System and network administration, Docker, Kubernetes, Data processing stacks, Scrum, Opentelemetry

🧠 Donders Institute for Brain, Cognition and Behavior

Nijmegen, Netherlands

RESEARCHER PHD CANDIDATE

Mar. 2018 - Present

- Method development for neuroimaging in psychiatry: Focusing on creating data-driven tools that enable us to study brain development and vulnerability across the life span.

Skills involved: Python, Data Analysis, Machine Learning, Git, Plotly, SciPy, Heroku

🇪🇺 European Commission @ Informatics Lab (AUTH)

Thessaloniki, Greece

RESEARCH FULL STACK WEB DEVELOPER

July 2014 - Mar. 2016

- Lead development and maintenance of the "Central Testing Platform" for the e-CODEX project. The web platform helps newcomers to the project, or countries already involved, to build their systems according to the latest standards and software updates, debug errors they may encounter and validate the interoperability of their system.
- Implementation of testing procedures, which, if passed successfully, enable the countries involved to be considered as pilots, so that their systems can now be used by litigants for the facilitation of an actual legal case.

Skills involved: Web development (full stack), Unix and database administration.

🇪🇺 Information Technology Center (AUTH)

Thessaloniki, Greece

COMPUTER PROGRAMMING INTERN

Nov. 2011 - Feb. 2012

- Technical support to the members of Aristotle University and being a member of its administrative function(database management - PHP scripting).

Skills involved: PHP, Database management, Apache server, JasperReports.

Skills

Programming	Python, JAVA, C/C++, LaTeX, Matlab, R, Android SDK, PHP, HTML5, CSS, JS
Tools	Git, Elasticsearch, Apache Kafka, Telegraf, Kapacitor, Benthos, Knowi, Pacemaker, Docker
Platforms	Windows, UNIX-like operating systems, Android, Kubernetes

Awards

- 2018 **Photon**, Predictive Analytics Competition: Prediction of ASD using sMRI features (10th place - teamwork)
- 2015 **GFOSS**, Electronic Services for the Development and Dissemination of Open Source Software: Feature development for the 2d animation software Synfig Studio

Writing

Donders Wonders

Blog on brains and science

WRITER

Mar. 2020 - April 2023

- Blog posts available here

Education

Donders Institute

PHD IN MACHINE LEARNING FOR PSYCHIATRIC NEUROIMAGING

- Topic: Method development for the longitudinal study of brain development and individual variation.
- Supervisors: Andre Marquand, Thomas Wolfers & Christian Beckmann

Nijmegen, Netherlands

2018 - 2023

Radboud University Nijmegen

MSC IN COGNITIVE NEUROSCIENCE (RESEARCH)

- Specialization in Brain Networks & Neuronal Communication
- Thesis on pattern recognition in neuroimaging, GPA: 3.4/4.0
- Supervisors: Thomas Wolfers & Andre Marquand

Nijmegen, Netherlands

2015 - 2017

Aristotle University of Thessaloniki (AUTH)

BACHELOR'S DEGREE IN INFORMATICS

- Specialization in Digital Media
- Thesis on neuroinformatics, emotion-recognition & ECoG Signal , GPA: 8.52/10.00 (Excellent)
- Supervisor: Nikos Laskaris

Thessaloniki, Greece

2010 - 2015

Interests & Activites

drawing - competitive amateur boxing - BJJ - triathlon - books in the style of Margaret Atwood