Christina **Isakoglou**

SOFTWARE ENGINEER | BACKEND SYSTEMS & ARCHITECTURE | CLOUD-NATIVE DEPLOYMENT

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Work Experience

Everbridge
Deventer, Netherlands

SOFTWARE ENGINEER II
Nov. 2022 - Present

- I lead the development and modernization of the Element Manager product — a real-time observability system designed to process and route diverse data streams across distributed environments. The product integrates tools like Telegraf, Kafka, Benthos (Redpanda Connect), Kapacitor, Elasticsearch, and some custom-made components written in Java, Python, and Bash.

- I've re-architected the stack to support containerized, cloud-native deployment. This included migrating legacy components to Docker, designing Helm-based Kubernetes deployments, and engineering end-to-end automation for consistent, reproducible environments.

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

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   *Nijmegen, Netherlands*

PhD in MACHINE LEARNING FOR PSYCHIATRIC NEUROIMAGING   *2018 - 2023*

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

Radboud University Nijmegen   *Nijmegen, Netherlands*

MSc in COGNITIVE NEUROSCIENCE (Research)   *2015 - 2017*

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

Aristotle University of Thessaloniki (AUTh)   *Thessaloniki, Greece*

Bachelor's Degree in INFORMATICS   *2010 - 2015*

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

Interests & Activites

outdoors - endurance sports - boxing - book nerding