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

- Modernized and re-architected Element Manager, a real-time observability platform that ingests and routes telemetry from distributed systems used in system monitoring, anomaly detection, and infrastructure forensics.
- Designed cloud-native deployments for observability infrastructure using Docker, Kubernetes, and Helm, ensuring secure and reproducible environments across dev and production.
- Engineered a streaming architecture using Kafka, Telegraf, Benthos, Kapacitor, and Elasticsearch to enable reliable data flow and situational awareness for distributed deployments.
Key Tools: Java, Python, Bash, Kubernetes, Helm, Docker, Kafka, Elasticsearch

Donders Institute for Brain, Cognition and Behavior
Nijmegen, Netherlands

RESEARCHER PHD CANDIDATE
Mar. 2018 - Present

- Built ML pipelines in Python to analyze sensitive neuroimaging datasets at scale, applying methods like dimensionality reduction and anomaly detection on high-dimensional signals.
- Developed reproducible data workflows and dashboards to support long-term, privacy-aware behavioral data research — aligned with security and ethical handling of personal data.
- Contributed to cross-functional projects combining data science, signal processing, and infrastructure integration.
Key Tools: Python, Machine Learning, Scikit-learn, Plotly, SciPy, Heroku

European Commission @ Informatics Lab (AUTh)
Thessaloniki, Greece

RESEARCH FULL-STACK WEB DEVELOPER
July 2014 - Mar. 2016

- Built and maintained the Central Testing Platform for the e-CODEX project — a legal tech platform supporting European countries in secure, standards-compliant cross-border judicial communication.
- Developed validation frameworks to test system interoperability and protocol compliance, contributing to trusted communications for sensitive legal data exchange.
- Engaged with governmental stakeholders to implement test scenarios aligned with privacy and cybersecurity standards.
Key Tools: PHP, MySQL, Full-Stack Web Dev, Linux, Testing Automation, REST APIs

Information Technology Center (AUTh)
Thessaloniki, Greece

COMPUTER PROGRAMMING INTERN
Nov. 2011 - Feb. 2012

- Supported internal university IT operations with scripting for system automation and database maintenance.
- Developed internal tools in PHP to streamline administrative and academic workflows.

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

Skills

Programming	Python, Java, C/C++, PHP, HTML/CSS , JavaScript, R, Matlab
Platforms	Linux, Windows, Android
ML/Data	Scikit-learn, Pandas, SciPy, Opentelemetry
Tools	Docker, Kubernetes, Elasticsearch, Kafka, Helm, Telegraf, Git, Knowi