

Chryssa Nampouri

DEEP LEARNING ENGINEER

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Education

University of Groningen

Groningen, the Netherlands

MSC IN COMPUTING SCIENCE (2-year degree; 120 ECTS)

Sept 2021–Aug 2023

- Grade: 8.0 / 10.0
- Track: Intelligent Systems and Visual Computing
- Thesis: *Contrastive self-supervised learning for outcome prediction of patients with oropharyngeal squamous cell carcinoma*
- Supervisor: Prof. Jiapan Guo

Athens University of Economics and Business

Athens, Greece

BSC IN MANAGEMENT SCIENCE AND TECHNOLOGY (4-year degree; 240 ECTS)

Oct 2015–Jan 2020

- Grade: 8.1 / 10.0
- Track: Operations Research and Business Analytics
- Thesis: *Customer Churn Management: A Machine Learning Perspective*
- Supervisor: Prof. Emmanouil E. Zachariadis

Work Experience

University Medical Center Groningen

Groningen, the Netherlands

RADIATION ONCOLOGY INTERN

Mar 2023–Aug 2023

- Conducted experiments on advanced self-supervised learning methods for medical image analysis using deep neural networks.
- Pre-trained models under various contrastive learning frameworks on 3D CT scans, employing CNN and Vision Transformer architectures.
- Fine-tuned pre-trained models for prognostic outcome prediction in patients with oropharyngeal cancer.
- Achieved a 15% increase in accuracy compared to the state-of-the-art methods.
- **Technologies used:** Python, PyTorch, MONAI

University of Groningen

Groningen, the Netherlands

TEACHING ASSISTANT

2021–2023

- *Introduction to Machine Learning* (Undergraduate level)
- *Introduction to Scientific Computing* (Undergraduate level)
- *Neural Networks and Computational Intelligence* (Graduate level)
- *Pattern Recognition* (Graduate level)

Vodafone Greece

Athens, Greece

DATA SCIENTIST, VODAFONE ANALYTICS TEAM

Feb 2020–July 2020

- Designed and deployed propensity machine learning models to optimize the customer journey experience.
- Developed an IoT-based predictive maintenance model for retail assets of Vodafone Innovus.
- Worked on the location intelligence software of Vodafone. Assisted in the software debugging, customization, and implementation processes. In close cooperation with Big Data Vodafone Group.
- Converted raw mobile network data into actionable community mobility insights.
- **Technologies used:** Python, TensorFlow, Scikit-learn, PySpark, QGIS

DATA SCIENCE INTERN

Nov 2019–Feb 2020

- Developed an end-to-end machine learning pipeline for customer churn prediction.
- Analysed customer satisfaction data extracted from Medallia software platform.
- Built a dataset integrating customer information from various data sources for the training processes.
- **Technologies used:** Python, TensorFlow, Keras, Scikit-learn

Skills

Programming (4 years)

Python (expert), MATLAB (intermediate), Java (intermediate), C/C++ (elementary), SQL (expert)

Frameworks (4 years)

PyTorch (expert), TensorFlow, Keras, MONAI, OpenCV, Scikit-learn, PySpark

Big Data Management Systems

Hadoop, Redis, Neo4j, Azure Stream Analytics

Business Analytics Tools

Power BI, RapidMiner Studio, QGIS

Miscellaneous

Latex (expert), Linux, Git

Languages

Greek (native), English (fluent), German (basic)