Thomas Saltos

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EDUCATION

Athens University of Economics and Bussiness — Athens, GR
M.S. in Data Science and Machine Learning (Part Time), GPA: 8.3/10 — 2019–2021

University of Patras — Patras, GR
M.Eng. in Computer Engineering and Informatics, GPA: 7.03/10 — 2011–2016

- Thesis: "Sentiment analysis in Twitter data with Apache Spark" (Scala, Apache Spark)

EXPERIENCE

Synelixis Solutions — Athens, GR
Software Engineer — 2017/07 - Present

- Design, develop, manage and support software applications (Python, Django, Celery, Go)
- Software testing/TDD
- Deploy apps using Docker and Kubernetes
- Managing on premise (bare-metal) Kubernetes cluster
- Design and deploy ML infrastructure at the company's local datacenter used by four engineers
- CI/CD pipelines (Gitlab CI)
- ETL applications (Apache Spark, Scala, Apache Hadoop)

Citrix Systems — Patras, GR
Software Enginner Intern (participation in Cloud operations project) — 2016/4 - 2016/6

- Creation of a Restful API (Ruby on Rails) for reserving resources on the AWS with the usage of the automation platform Ansible
- Automated build of the solution with Jenkins (Continuous Integration Server)
- Creation of Ansible scripts for the installation of VMs on VMware ESXi

SKILLS

- **Operating Systems:** Windows, Linux
- **Programming Languages:** C, JAVA, SCALA, GO
- **Scripting Languages:** Unix/Linux shell scripting, Python
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Big Data:** Apache Spark, Apache Hadoop, Apache Kafka
- **Data Science:** TensorFlow, Keras, PyTorch
- **Web Development:** HTML, CSS, PHP, XML,JSON, Django

Languages

- **English:** Fluent
- **Greek:** Native

Projects

- **Thesis project** (Scala, Apache Spark)
  Sentiment analysis in Twitter data using MLlib and Spark streaming

- **Log data analysis** (Java, Map-Reduce algorithm)
  Data analysis with Map-Reduce model in Hadoop

- **Data Science challenge - MS course** (Python, Pytorch, NetworkX)
  Citation link prediction using a variety of features such as bert embebbings and variational GAE

- **Abnormality detection in bone X-Rays** (Python, Tensorflow)
  Given the MURA dateset I developed a deep learning model for abnormality detection

Seminars

- Introduction to Big Data and Machine Learning: Two days seminar hosted by Citrix
- Two-day workshop for developers of Windows 10, hosted by Microsoft Hellas.

Volunteering & Mentoring

- Team Member at StudentGuru Patras   2012–2016
  StudentGuru Patras is the first academic community at the University of Patras to major in Microsoft.NET related technologies
  - Presention of several topics on C# & Visual Studio, Windows apps, unity, Web development and ethical hacking
  - Organisation of programming competitions
  - Participation in workshops organized by Microsoft Hellas

- Teaching Assistant at Logical Design Lab, University of Patras, Greece   Fall 2015
  Mentored students during task implementation and techical support