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Web & Git

www.linkedin.com
/in/george-manakanatas
https://github.com/
GeorgeManakanatas
https://george
manakanatas.github.io/

Programming Languages

Human Languages

Dutch ★★★★★
English ★★★★★
German ★★★★★
Greek ★★★★★

OS Experience

Linux ★★★★★
MacOS ★★★★★
Windows ★★★★★

George Manakanatas

Data Engineer

Experience

11/2021 - Today

Data Engineer — Barco, Kortrijk, Belgium

In Barco the focus is in data gathering, quality and integration at scale. Assisting in shaping and implementing a hybrid cloud model and supporting existing and identifying new information value streams.

Strong technical skills are needed to implement robust and performant solutions both in the cloud as well as on premise. As well as soft skills to be able to work in multinational teams comprised of people from diverse cultural and technical backgrounds.

11/2019 - 11/2021

Software Architect — VITO, Mol, Belgium

Working for the data science hub my responsibilities where to support my colleagues by being responsible for all stages of IT related projects. From conceptual planning to development of a PoC and deployment to production. The work focused mostly on data quality, integrity and availability, working closely with the researchers to solve technical issues with their code as well as supporting the push to make the organization more digital and data driven.

Most of the work was done in Python, JavaScript and Java supported by Ansible and Docker. Projects broader in scope like a custom organization wide data discovery pipeline also made extensive use of semantic technology and graphs.

04/2016 - 10/2019

Software Engineer — Apogado CVBA, Mechelen, Belgium

While at Apogado my time was split between back end development, software architecture, and consulting. I helped design and deploy custom made solutions tailored to the needs of specific clients as part of the Apogado team.

Most of the work was back end development in Java, JavaScript and Python. Working with both legacy code as well as on new projects, with relational and non relational databases as well as extensive automated testing. My legacy projects made heavy use of Apache service mix components for ETL and interfacing with authentic sources in Belgium. My JavaScript work was on back end development of proprietary software built on the MEAN stack. Python and Bash scripting where used for small ad hoc projects.

09/2014 - 09/2015

Master's Thesis — Hellenic Open University, Patra, Greece

Knowledge hiding and Association rule hiding, hiding frequent itemsets, exact knowledge hiding through database extension, k-anonnymity, Rob frugal anonymisation, Apriori data mining algorithm. Python programming, tkinter GUI package, LaTeX text editor.

09/2004 - 09/2015

Physics and Mathematics tutor — Freelance, Heraclion & Athens, Greece

Physics and Mathematics tutoring for high school students, advanced Physics and Mathematics classes for College students.

Education

2012 -
2015

Master's Degree in Information Systems Hellenic Open University, Patra, Greece
Curriculum: Information and Communication Technologies.
Main subjects: Computer Networks and Communications, Computer Architecture, Software Engineering, Software Design and Management Processing.
Title of the Thesis: "Blocking Inference Channels in Outsourced Data Mining."
Relators: Prof. Ilias Stauropoulos, Prof. Basilios Berikios.

2000 -
2009

Bachelor's Degree in Physics University of Crete, Heraklion, Greece
Curriculum: Physics and Mathematics.
Main subjects: Classical Mechanics, Electromagnetism, Thermodynamics and Statistics, Quantum Physics, Atmospheric Physics, Introduction to Circuit theory, Applied Geophysics, Elements of Electronics, Introduction to Optoelectronics, Financial Mathematics, Computational Physics.

Skills

Programming Languages
Python, JavaScript and Java, SQL, Bash, PowerShell.
Databases
PostgreSQL, MS SQL, MongoDB, Redis.
Software
Docker, Flask, Django, Airflow, Papermill , Ansible, Selenium, Node.js, Express.js, ServiceMix, Apache CXF, Apache Camel, Apache Karaf, MAven, Spring, Postman, SoapUI, Jenkins.
General
Solid mathematical background and analytic skills from my physics studies. Basic knowledge of Data mining as well as data anonymization and de-identification methods.

Certifications

English : Near Native Fluency, Certificate of Proficiency in English, University of Cambridge
German : Conversational, Zeugnis Zentrale Mittelstufenprüfung, Goethe Institut
Greek : Native Speaker

**Hobbies &
Interests**

Chess
& GO
amateur
player

History
& Film
buff

Tabletop
games
enthusiast

Crime &
Science
fiction
novels

Other Info

European driving licence, Belgian certificate of registration. For the Greek job market:
Στρατιωτικές υποχρεώσεις εκπληρωμένες, φορολογικός κάτοικος εξωτερικού.

June, 2021

Georgios Manakanatas