

# Alexios Konstantopoulos

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## WORK EXPERIENCE

### Data Intern

**Devoteam G Cloud** [ 03/07/2023 – 11/08/2023 ]

**City:** Machelen | **Country:** Belgium

The internship with Devoteam G Cloud, a leading provider of Google Cloud Platform (GCP) consulting and GCP managed services, consisted of three phases: an internal marketing project, a Terraform learning side project, and migrating a data pipeline for the Royal Belgian Football Association using Dataform.

The migration of the data pipeline required the translation of SQL queries to SQLX, and addressing various challenges such as missing views, metadata issues, and dependencies. After manually migrating views, data warehouse queries, and data mart queries, the migration was completed. A meeting with the client to clarify remaining issues marked the conclusion of my internship.

### Computer Assistant - Intern

**Ergoman SA** [ 29/06/2015 – 10/07/2015 ]

**City:** Athens | **Country:** Greece

ERGOMAN Greece, is a company offering comprehensive Telecom & IT solutions and consulting services for big undertakings operating in Telecoms, Financial Services, Industries, Pharma, Cosmetics and Consumer Goods. My internship allowed me to get a rare exposure to the provision of technical solutions in the area of integrated telecom services. This was most rewarding as I had the opportunity to collaborate and work with exceptionally bright people who were willing to share knowledge with me.

### Debugger - Intern

**Intrasoft International** [ 30/06/2014 – 17/07/2014 ]

**City:** Athens | **Country:** Greece

My internship with INTRASOFT International was my first work experience with a big international firm employing some 1.700 professionals in the field of European IT Solutions and Services. I joined a team tasked with de-bugging software destined to be used by custom authorities for the control, identification, and processing of goods. The approach taken forced me to think outside of the box and exposed me to the challenges of big projects.

## EDUCATION AND TRAINING

### Master of Engineering: Computer Science

**KU Leuven** [ 27/09/2021 – 11/02/2025 ]

**City:** Leuven | **Country:** Belgium | **Website:** <https://wms.cs.kuleuven.be/cs/english>

Specialization in Artificial Intelligence

Main courses: Principles of Machine Learning, Biometrics System Concepts, Machine Learning: Project, Genetic Algorithms and Evolutionary Computing

Thesis: Enhancing Humor Generation in Large Language Models through Direct Preference Optimization

Data was collected from a subreddit that specializes in jokes. The LLM used was LLama2, undergoing SFT training, PEFT configuration and DPO training. Feedback on the performance was collected through a survey that I designed. Overall, I proved that DPO helped enhance the humor generation of the LLM, transitioning from not making jokes to attempting them. The diversity of outputs was analyzed using PCA analysis and applying WCSS, SS and ICD; a new and more intricate method of analyzing model outputs.

## Bachelor in Computer Science

**Université Libre de Bruxelles (ULB) / Free University of Brussels** [ 14/09/2017 – 30/06/2021 ]

City: Brussels | Country: Belgium | Website: <https://www.ulb.be/fr/programme/2021-ba-info>

Main courses:

- Computer Organisation
- Algorithms
- Programming Languages (Python, C++, C, Java, NASM)
- Machine Learning

## Computer Science and Engineering Courses

**Technical University of Delft (TU Delft)** [ 03/09/2018 – 30/07/2019 ]

City: Delft | Country: Netherlands | Website: <https://www.tudelft.nl/en/education/programmes/bachelors/cse/bachelor-of-computer-science-and-engineering/>

Spent an academic year at TU Delft at the faculty of computer science and engineering, where I took credits for the following courses:

- Computer Organisation
- Reasoning and Logic
- Object-Oriented Programming
- Software Quality and Testing
- Calculus
- Linear Algebra
- Information and Data Management
- OOP Project

## Electrical and Electronic Engineering Courses

**École Polytechnique Fédérale de Lausanne (EPFL)** [ 01/09/2016 – 31/07/2017 ]

City: Lausanne | Country: Switzerland | Website: <https://www.epfl.ch/education/bachelor/programs/electrical-and-electronic-engineering/>

Studies at the faculty of electrical engineering at EPFL convinced me I wanted to focus on computer science. As this switching was not allowed by EPFL rules, I enrolled at ULB. This experience allowed me to grow and know myself better.

## European Baccalaureate

**European School of Brussels III** [ 07/09/2004 – 01/07/2016 ]

City: Brussels | Country: Belgium | Website: <https://www.eeb3.eu/en/>

Advanced Subjects:

- Advanced Mathematics
- Laboratory Physics

## LANGUAGE SKILLS

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**Mother tongue(s):** Greek | English

**Other language(s):**

**French**

**LISTENING C2 READING C1 WRITING C1**

**SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1**

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## CERTIFICATES

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[ 03/2025 ]

**Hugging Face Certificate of Achievement Fundamentals of Agents**

[ 03/2025 ]

**Hugging Face Deep Reinforcement Learning Certificate of Excellence**

[ 06/2021 ]

**TOEFL iBT® Test**

[ 06/2016 ]

**Diplôme d'études en langue française DELF B2**

## DIGITAL SKILLS

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Deep Learning / Artificial Intelligence / Machine Learning / LLM / Object Oriented Programing / C / C++ / Java / Git / Matlab / Assembly / Python / Google Cloud / Web Designing & Web Development / HTML, CSS, JavaScript, JSON / Javascript

## PROJECTS

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[ 06/2019 – 06/2020 ]

**European Parliament Study on Gambling**

Committee on Internal Market and Consumer Protection

Took the initiative to address a memo to the attention of the Internal Market and Consumer Protection committee (IMCO) of the European Parliament (EP), expressing my concerns about gambling mechanics found in video games which are targeted mainly to minors. This triggered a number of contacts with the Secretariat of this Committee and resulted in a study commissioned, validating the concerns I expressed. I was thanked for my contribution to their work in a personal letter by the president of this EP committee, who the following year became deputy Prime Minister of the Belgian government.

Link: [https://www.europarl.europa.eu/RegData/etudes/STUD/2020/652727/IPOL\\_STU\(2020\)652727\\_EN.pdf](https://www.europarl.europa.eu/RegData/etudes/STUD/2020/652727/IPOL_STU(2020)652727_EN.pdf)

## COMMUNICATION AND INTERPERSONAL SKILLS

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### Communication and interpersonal skills

- Skillful public speaker, made several presentations at university and served as president of my high-school class.
- Good communicator, reason for which I was chosen to act as the main salesman of the "Mini-Entreprise" created by my team during the academic year 2014-2015.

## LINKEDIN

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**LinkedIn**

[LinkedIn page.](#)