

# Charisis Skordas

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## Profile

My journey as a 24-year-old began with an Erasmus semester in Germany, where I gained valuable international experience and deepened my passion for computer science. My last working experience was as a **Data Analyst**, applying my skills in creating dynamic data visualizations. Currently I am pursuing my **Master of Science Degree in Data Science and Machine Learning**, willing to explore new challenges and make meaningful contributions to this rapidly evolving field.

## Education

**M.Sc in Data Science and Machine Learning** 2025 - Ongoing  
*National Technical University of Athens* Athens, Greece

- **Relevant Coursework:** Stochastic Processes, Machine Learning, Statistical Modeling, Data Security

**B.Sc in Informatics and Telecommunications** 2020 - 2024  
*National and Kapodistrian University of Athens* Athens, Greece

- **Relevant Coursework:** Software Development for Algorithmic Problems, Data Structures and Algorithms, System Programming, Operating Systems, DBMS, Human-Computer Interaction, Compilers, Calculus II, Discrete Mathematics, Project Management, Entrepreneurship

**B.Sc in Computer Science (ERASMUS+)** April - September 2023  
*University of Koblenz and Landau* Koblenz, Germany

- **Relevant Coursework:** Java EE Web Applications, Security in Networked Systems, Programming Language Theory

## Working Experience

**Jr. Data Analyst** January - October 2025  
*Hellenic Army General Staff* Athens, Greece

- Performed data collection and cleaning from SQL databases, APIs, and spreadsheets to ensure optimal datasets for analysis.
- Conducted statistical analysis and created visualizations, using Excel and Power BI.

**Jr. Full-Stack Developer** May - November 2024  
*ITML IKE* Athens, Greece

- Collaborated with back-end developers to integrate APIs and ensure seamless data flow and efficient rendering in the front-end application.
- Participated in code reviews and team meetings, providing input and learning best practices for modern web development, including React.js, Next.js and Typescript.
- Implemented interactive features and dynamic content using Next.js and React, enhancing user engagement and application functionality.
- Assisted in developing and maintaining the front-end architecture by optimizing components for performance and scalability, contributing to the overall project efficiency.

## Projects

**Cataschevastika** | Python, SQL, Power BI, Azure Databases, Databricks

- It was the final project for the Data Engineering Lab course, conducted by Titan America and ReGeneration.
- The project involved setting up and deploying a data lake infrastructure using Databricks, implementing analytics for sales decision-making with a data warehouse, and enhancing business insights through Power BI visualizations and reports.

**Point Set Polygonization CGAL** | C++, CGAL Library, Python, Git

- In this project, we compare various algorithms for calculating the area of a polygon, including optimal local search, optimal simulated annealing, incremental, onion method and other well-known methods, to determine the most efficient and effective approach.
- We've visualized these algorithms, using Python, to make them easier to understand and experiment with.

See more of my projects in my [github account](#) | Harris Skordas

## Workshops and Certificates

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### Machine Learning

July - December 2024

University of Patras

200 hours

- Developed and implemented programs for Regression and addressed various Classification problems.
- Expanded knowledge of advanced Machine Learning topics, including Non-Linear Methods, Support Vector Machines, and Unsupervised Learning.

### Data Engineering Lab

April - June 2024

powered by Titan America and ReGeneration

100 hours

- Learned best practises for handling distributed and big data systems.
- Designed and integrated data warehouses for streamlined data management.
- Implemented cloud platform integration and developed data visualization strategies.
- Contributed to the final project to architect a data warehouse and create interactive visualizations using Power-BI.

### Web Developer

January - July 2024

University of Athens

228 hours

- Developed dynamic web applications using JavaScript and jQuery.
- Learned to implement asynchronous data retrieval and updates with AJAX methods.
- Had a first touch with graphic designs and layouts using Adobe Photoshop and InDesign.
- Built websites utilizing Dreamweaver and Joomla.

### Back End Developer

January - July 2024

University of Athens

157 hours

- Expanded my knowledge in both relational (MySQL) and non-relational (NoSQL) databases.
- Used document-based MongoDB for efficient data management and retrieval.
- Developed mini-projects with Python Django and tested APIs using Postman.

## Technical Skills

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**Languages:** C2 Level Michigan-ECPE, Goethe-Zertifikat A2

**Programming Languages:** Python, Typescript, Java, C, C++, SQL, Javascript, PHP

**Technologies:** Springboot, React.js, Next.js, Django, jQuery, Bootstrap/Tailwind, MySQL, NoSQL(MongoDB), Git, Docker

**Concepts:** Machine Learning Engineer, Full Stack Developer, Agile Methodology, Operating Systems, Database Design and Implementation