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

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

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