Savvas Chanlaridis

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Profile

Data Scientist with a strong background in Astrophysics, experienced in managing and analyzing complex datasets. Led international research projects and contributed to high-impact publications, demonstrating proficiency in Python, data visualization, and advanced analytical techniques. Adept at collaborating with cross-border teams and leveraging data-driven insights to solve challenges. Eager to apply my expertise in a dynamic tech environment, driving innovative solutions. Committed to excellence in independent and team-based work, with strong leadership and communication skills.

Employment History

Data Scientist *Thessaloniki, Greece*
Kivos Analytics *Jan 2025 – Present*

- Spearheaded the development of an in-house product hierarchy to standardize cross-client inventory data, resolving inconsistencies in taxonomy and enabling unified analytics for demand forecasting and replenishment.
- Leveraged OpenAI's API to build a context-aware, LLM-based text classifier using semantic similarity analysis and fine-tuned prompts, achieving 92% accuracy in cross-domain product categorization.

Data Scientist *Heraklion, Greece*
Institute of Astrophysics - FORTH *Jan 2024 – Dec 2024*

- Improved data processing accuracy by 15% by applying data science and machine learning techniques to clean, analyze, and visualize complex astrophysical data in order to support research.
- Refactored existing data analysis pipelines, enhancing their performance, scalability, and maintainability by 50%, while also reducing computational costs by 20%.
- Participated in the development of a generative adversarial network (GAN) for data augmentation, which increased model accuracy by 15% and enhanced data robustness for astrophysical simulations.

Research Scientist *Heraklion, Greece*
Institute of Astrophysics - FORTH *Mar 2021 – Dec 2023*

- Conducted advanced research on stellar astrophysics, developing numerical models and analyzing large datasets, leading to the discovery of novel pathways.
- Managed international teams in research projects, leading data analysis efforts, resulting in the publication of 3+ peer-reviewed papers in high-impact journals and presentations at 4 international conferences.
- Collaborated with scientists across Europe as a member of the EPTA consortium contributing to data analysis and aiding in the detection of key gravitational wave patterns.

Associate Scientist *Thessaloniki, Greece*
Aristotle University of Thessaloniki *Oct 2019 – Mar 2021*

- Conducted numerical simulations utilizing High-Performance Computing (HPC) facilities and analyzed resulting data, leading to the publication of one peer-reviewed article in a high-impact journal.

Assistant Lecturer *Bonn, Germany*
University of Bonn - AIfA *Jul 2018 – Oct 2019*

- Enhanced student performance by 30% through engaging lectures and practical sessions on radio-astronomical observations.
- Increased student engagement and learning outcomes by developing and updating course materials, while collaborating with faculty, incorporating hands-on exercises and assessments.

- Provided mentorship and academic support to 10+ graduate students, helping them grasp complex concepts and improve performance.

Professional Competencies

Programming Languages: Python, C, R, Java, SQL

Data Analysis & Visualization Tools: Tableau, Microsoft Power BI, Excel, Matplotlib, Seaborn, Pandas, NumPy, SciPy, Scikit-learn, TensorFlow.

Industry Skills: Data Analysis, Data Cleaning and Preparation, Data Wrangling, Data Modeling and Visualization, Machine Learning, Neural Networks.

Soft Skills

- Collaboration and Teamwork
- Effective Communication (Technical and Non-Technical)
- Critical & Analytical Thinking
- Problem Solving
- Adaptability to New Technologies
- Leadership and Mentorship

Education

Hellenic Open University *Oct 2024 – Present*
MSc in Data Science & Machine Learning

University of Crete *Jan 2021 – Dec 2024*
PhD in Astrophysics

University of Bonn *Oct 2016 – Oct 2019*
MSc in Astrophysics

Aristotle University of Thessaloniki *Sep 2008 – Sep 2016*
BSc in Physics

Training & Upskilling

Introduction to web development with HTML5, CSS3, Javascript *Jun 20024*
Mathesis

Data Science Professional *Jan 2024*
Reatcode-Workearly

Spark and Python for Big Data with PySpark *Jan 2024*
Udemy

Introduction to Programming with the Java Language *Apr 2023*
Mathesis

Languages

- Greek (Native speaker)
- English (Highly proficient)
- German (A1)

Additional Information

Publications
Co-authored more than 12 research papers published in high-impact, peer-reviewed journals. A full list of my scientific contributions can be found on NASA/ADS or Google Scholar.

Outreach & Volunteering
Over 10 years of diverse volunteering experience, including leadership roles and event coordination.