Dina Theodosiadou - CV

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CAREER OBJECTIVE

Always looking for challenging opportunities to creatively incorporate my expertise to become more effective by applying the latest advancements in computer science for environmental applications to solve real-world problems. I strive to improve the quality of my work and demonstrate a strong commitment to fulfilling my responsibilities within established time frames while growing my current project. With relevant work experience, I am prepared to use my technical and conceptual strengths to contribute to academic and business development. I consider myself a solution- oriented individual with exceptional problem-solving skills, and attention to detail.

EDUCATION

Oct/2024-Current: **PhD, Computer Science,** Bath, UK

- Working on developing novel deep learning techniques that leverage multisource and heterogeneous real environmental data, to forecast river flow and develop insights towards the origins of river floods in the scene of climate change and high-impact weather

Sep/2020-Sep/2021: **MSc, Data Science** (Grade 1:1), Newcastle University, UK

- Modules: Deep Learning, Data Visualization, Data Management, Databases, Statistical Learning, Machine Learning
- Dissertation: Designed and developed a plug-and-play module in Pytorch in deep learning models used for image segmentation to distinguish damaged buildings from the surrounding environment in satellite imagery

Sep/2014–Jan/2019: **BSc, Physics**, Aristotle University of Thessaloniki, Greece

- Key Modules: Applied Informatics, Environmental Physics, Structure of Materials, Fluid Dynamical Systems
- Lab work: Conducting practical laboratory work, designing experiments, and analysing data using computational physics to draw insightful conclusions

WORK EXPERIENCE

Sep/2021– Sep/2024: **Analytics and Software Development Engineer**, Arcadis Gen, Sheffield, UK

- Performed data manipulation tasks in R, including cleaning, filtering, standardizing, transforming, and aggregating data
- Generated programmatically data validation reports and embedded them into analytics apps (asset management, sustainable buildings) as an additional component. The reports identified and resolved data errors, agnostic to the user's input data
- Integrated a modified input data structure seamlessly into the app's backend and refactored the app
- Run data migrations in Liquibase for Angular & SpringBoot apps
- Developed web features following the prototypes 100%, preventing unwanted user actions and ensuring accessibility compliance
- Troubleshoot systems, developed & documented best deployment practices in an agile framework

INTERNSHIPS

<u>Dec/2020–Jan/2021</u>: Business Analyst, Bright Network, UK

- Developed commercial awareness, for making better decisions, managing risks more effectively for a long- term strategy to be implemented
- Designed recommendations for market expansion and used data visualization software to present data in a way that is easy for non-technical stakeholders to understand
- Collaborated with cross-functional teams including marketing and data analysts to gather user requirements

<u>Nov/2017–Jan/2018</u>: Physics Tutor, Aristotle University of Thessaloniki, Greece.

- Taught Physics to high school students for national entry-level University exams
- Created a didactic plan for giving atomic physics lessons to students
- The final project was designed in collaboration with the University

SKILLS

Interactions: Wanting to promote cooperation through open communications and taking into consideration ideas

Teamwork: Possessing organisational talents, being responsible when working in a team & under pressure

Languages: English (Working Proficiency), German (C1), Greek (Native)

IT Skills: Languages: Python, R, RShiny, Angular, Javascript, SpringBoot, Liquibase, Bash

Python Libraries: Pytorch, Tensorflow, JAX, Numpy, Numpyro, Scipy, Pandas

Tools: VS, Docker, Git, Postman, DVC

Databases: PostgreSQL, MS SQL | Platforms: Microsoft Azure, DevOps

Others: Windows, Linux, MS Office, Google Docs, Zoom, Jira, Confluence, Miro, Slack, Jira, Overleaf

QUALIFICATIONS

Certifications: Azure Fundamentals, Data Engineer Associate – Azure

Courses: Machine Learning & Statistical Analysis, Scientific Computing for Data Science, SQL Fundamentals

VOLUNTEERING

Make A Wish, Anatolia Primary School - Rainbow Summer Camp, SEEDS (Environment, Iceland), Food Rescue (Society and Environment, Portugal)

HOBBIES

Volleyball, Football, Travelling, Cinema, Theatre, Reading Literature, DIY, Photography