By day, I work as a Research & Digitalization Manager at the Swiss Transmission System Operator, Swissgrid, focusing on Data Science. I develop prototypes and Proof of Concepts projects to create new value in energy-related topics.

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**Generally, I am a big fan of:**

Family Coffee

Dogs Reading

Aris Podcasts

Loooong Walks Friends

Superman

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**Things I find important in life:**

Storytelling

Empathy

Work-life balance

Personal Growth & Development

Music

Teamwork

Metalearning

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**My (professional) Story:**

I grew up in Thessaloniki, Greece, where I spent the first 24 years of my life. I was playing Basketball at a local club and I studied Electrical & Computer Engineering there. I feel grateful to be raised in a sunny city close to the sea!

Afterwards I moved to Zürich, Switzerland for a Master’s degree in Energy, where I discovered the Swiss Chocolate and mountains. Ok, mostly the chocolate I admit, at least with Toblerone I combined both. I did my internship & Master Thesis at Swissgrid and after my studies, I worked as an associate scientist at ABB Corporate Center at Dättwil, Baden.

The interactions with intelligent people led me towards doing a PhD at Power Systems Laboratory of ETH Zürich, where I was mostly converting Nespresso coffee into academic papers. I spent an awesome semester at UC Berkeley , enjoying exciting research, delicious food and a warm winter in California.

After my PhD, I stayed one more year as a post-doc researcher collaborating with MIT, and since 2020, I am back in the industry. I enjoy applying some knowledge I gained over the years and I am always trying to learn new things and skills.

Inspired by the products and projects of Google and based on my academic education, professional experience and enjoyment of new challenges, I am expressing formally my interest for the position of Staff Software Engineer.

Through my under‑ and postgraduate education, as well as working experience, I have acquired the necessary skills and shown the required versatility to perform multidisciplinary research and manage challenging projects. In my up to now career, I have worked in several research areas, such as artificial intelligence in energy systems, optimization‑based methods under uncertainty, data‑driven control design, decentralized and centralized control, and techno‑economic studies to identify new business cases in the energy sector. I have been keen on using machine learning schemes both in my academic and professional career, investigating safety issues and selecting the statistical tools based on the application, data structures and required efficiency.

My work has been characterized by high quality publications, strong links with local companies and international institutes, as well as a few awards and honors. At the same time, my research has been highly applicable, with several collaborations to industry; my algorithms have been verified experimentally and several companies and grid operators are interested in technology transfer.

During my doctoral and post‑doctoral studies, I participated in several worldwide projects and supervised more than 37 student projects, developing management and leading skills. My track record shows my capability of researching complex theoretic notions, as well as carrying them through to the actual application.

Through my employment and practical training, I had the chance to cultivate not only the ability to autonomously carry out tasks, but also the team spirit and the adaptability to multicultural environment. I have a good perception and I am used to working in an exact and reliable way.

It is clear to me that working in a different sector will allow me to transfer my knowledge to a different field and continue learning which is an important part of a growth mindset. For me innovation and dealing with complex problems is more than a challenge, is motivation. Thus, I believe I can contribute to technological achievements that Google is offering to the world.

Sincerely,

Stavros Karagiannopoulos

**My (professional) Story:**

I grew up in Thessaloniki, Greece, where I spent the first 24 years of my life. I was playing Basketball at a local club and I studied Electrical & Computer Engineering there. We always had a dog in the family, and I feel grateful to have been raised in a sunny city close to the sea!

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