Diego Kiedanski

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Summary

I am an independent computer engineer who thrives on working in international environments. I have vast experience in the education sector having taught mathematics and computer science at high school and university level. My responsibilities in these positions included not only teaching and grading but also preparing new material for students or even creating a curriculum from scratch for a new course.

Education

2019 - End of 2020   PhD in Informatics, Data and AI   **Télécom Paris - IP Paris**

- Thesis: Local Generation, Electric Mobility and Local Energy Markets.
- Advisor: Prof. Daniel Kofman

2013 - 2017   Computer Engineer   **Universidad de la República, Uruguay**

Extensive coursework in computer science and mathematics. Vast experience working in teams with up to ten members, most of which I lead.

Profesional Experience

August 2020 -   Researcher   **Centrica Business Solutions Belgium**

I develop algorithms and models to deploy local flexibility services, mostly enabled by smart batteries and electric vehicles.

2019 - End of 2020   PhD candidate   **Télécom Paris - IP Paris**

Using tools from auction theory, optimization and game theory, I have shown that cooperative schemes are better suited to implement grid flexibility than their competitive counterpart. Moreover, I developed a framework for cooperative investments in energy storage that can increase the capacity of deployed energy storage by 200% with respect to scenarios without cooperation. I adapted my research to respond to the needs of our industrial partner, ENEDIS, who needs to position itself in the context of the new Smart Grid architectures.

2018   R&D Engineer   **Télécom Paris - IP Paris**

My research focused on Local Energy Markets in the context of the energy transition. I extended existing models using auction theory and reinforcement learning.

2015 - 2017   Teaching Assistant   **Universidad de la República, Uruguay**

I was in charge of lecturing, planning and designing exams as well as grading them.I designed and deployed automated testing procedures that are still in use today in courses with more than one thousand students.

2014 - 2015   Mathematics High School Teacher   **PRE/U and Colegio Nacional José Pedro Varela**

I was in charge of my own groups and tasked with teaching, planning, preparing tests and interacting with parents among other responsibilities. I thought Pre-calculus level.

Skills

Tech Tools	Python, Matlab, Bash, Docker, Linux, Javascript, CPLEX, Latex, SQL, Git, Moodle
Languages	English (full working proficiency), Spanish (native), French (basic working proficiency)
Other	Game Theory, Optimization, Deep Learning, Graph theory, Machine Learning, Internet Measurements