

# Diego Kiedanski

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## Summary

I am an independent computer engineer who thrives working in international environments, with a vast experience in mentoring. I am passionate about solving real engineering problems through mathematical modeling and its implementation. Knowledgeable in extracting valuable information from data, using mostly Python's ecosystem. I have successfully developed tailored solutions to complex problems for industrial clients and partners.

## Education

<b>2019 - Present</b>	PhD in Informatics, Data and AI	<b>Télécom Paris - IP Paris</b>
	<ul style="list-style-type: none"> <li>• Thesis: Local Generation, Electric Mobility and Local Energy Markets.</li> <li>• Advisor: Prof. Daniel Kofman</li> </ul>	
<b>2013 - 2017</b>	Computer Engineer	<b>Universidad de la República, Uruguay</b>
	Extensive coursework in computer science and mathematics. Vast experience working in teams with up to ten members, most of which I lead.	

## Professional Experience

<b>2019 - Present</b>	PhD candidate	<b>Télécom Paris - IP Paris</b>
	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.	
<b>2018</b>	R&D Engineer	<b>Télécom Paris - IP Paris</b>
	My research focused on Local Energy Markets in the context of the energy transition. I extended existing models using auction theory and reinforcement learning.	
<b>2015 - 2017</b>	Teaching Assistant	<b>Universidad de la República, Uruguay</b>
	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.	

## Skills

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