

Short Term Internship at Polytechnique Montréal

Name: Yu-Hsin Wu

Affiliation at Nagoya University: Department of Electrical Engineering

Participated program: Medium Course 2023

Research theme: Combinatorial Optimization for Geospatial Wind Turbine Placement

Advisor at the visiting university: Assist. Prof. Antoine Lesage-Landry

Affiliation at visiting university:

Department of Electrical Engineering, Polytechnique Montréal



During my exciting summer internship in Montreal, I was lucky to dive deep into a fascinating research project, exploring the intricate world of convex optimization. It was not just an academic endeavor; the city's vibrant cultures, languages, and cuisines turned it into a full-blown adventure.

I joined the team of brilliant minds I'd be collaborating with. Everyone was super welcoming, and my supervisor, Antoine, was a source of constant support and inspiration.

The project we were immersed in was challenging because it is the field outside of my major. We had dived into extensive literature reviews, collected and analyzed data, and engaged in heated discussions during our weekly meetings, bouncing ideas off each other. At first, formulation for the optimization problem was challenging for me because it requires many background knowledges and experience in the field. Since he led me a lot to break through the problem we had, I managed to get the hang of it.

I also picked up the skill to write program of convex optimization on Python, and I feel like my ability to analyze and understand the optimization has reached a whole new level. Collaborating with such a diverse team also taught me the importance of effective communication and the value of different perspectives.

Of course, it was not all about the work. Montreal, with its unique blend of English and French influences, was like a breath of fresh air. I found myself exploring the city's beauty and elegance, discovering artistic atmosphere in museums, diving into the local food scene, and hanging out with my friends at various cultural events and festivals. The multicultural vibe of the city was the cherry on top. Besides, the natural beauty surrounding the city and the nearby towns, each with its unique charm and vibe, were downright mesmerizing, offering a refreshing escape from the urban hustle when needed. The diverse atmospheres of each place added an extra layer of richness to my experience.

This internship was more than just a learning experience; it was a journey of personal and professional growth. I'm incredibly grateful to the whole team for welcoming me with open arms and for making this journey so memorable.