MIQUEL SIRERA PERELLÓ

DETAILS

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https://github.com/mqsirera

COMPUTER SKILLS

Experience with several programming languages

- C, C++
- Python
- SQL
- Matlab
- AMPL
- R
- Java

LANGUAGES

- Catalan – Native
- Spanish – Native
- English – Cambridge Advanced (Grade A)

SKILLS

- Critical Thinking and Problem Solving
- Ability to Work in a Team
- Fast Learner
- Adaptability
- Commitment
- Effective Time Management
- Very Organized

PROFILE

I am a motivated graduate with a bachelor's degree in Data Science and Engineering from Universitat Politècnica de Catalunya. My academic journey has equipped me with a strong foundation in computer science, mathematics, statistics, and signal processing. Having recently completed my degree, I am now driven by a profound aspiration to further my knowledge and make significant contributions to the field of Computer Engineering. I am enthusiastic about engaging in cutting–edge research, pushing the boundaries of technological innovation, and making a meaningful impact. With a proactive work ethic and a dedication to achieving excellence, I am excited to embark on an advanced professional path and play a role in shaping the future of computer engineering and machine learning.

EXPERIENCE

GENESYS LAB AT NORTHEASTERN UNIVERSITY, BACHELOR'S THESIS DEVELOPMENT

FEBRUARY 2023 – JULY 2023

While developing my Bachelor's thesis, I worked alongside a research team at the university focused on integrating Artificial Intelligence into wireless communications. This group is part of the Institute for the Wireless Internet of Things, and their primary goal is to create advanced solutions for wireless communication challenges. In this context, I was responsible for devising and implementing AI–driven approaches, specifically in the realm of signal classification. This experience solidified my understanding of AI's impact on wireless technologies and fueled my enthusiasm for contributing further to this evolving field.

ABI GLOBAL HEALTH, AI LAB INTERN

MARCH 2022 – DECEMBER 2022

I completed an internship at a prominent global telehealth company, where I played a pivotal role in advancing monitoring capabilities within the MLOps framework. In addition, I provided valuable support to the AI Lab by contributing to the creation of novel machine learning models and enhancing pre–existing solutions.

ENGINEERING PROJECT – BECO

FEBRUARY 2022 – JUNE 2022

I successfully executed the development of a software solution for Naptilus Tech Lab, addressing a complex challenge centered around leveraging extensive user data to mitigate individual carbon footprints. The outcome of our efforts materialized as "BECO", an innovative application service meticulously crafted using advanced machine learning techniques. This platform adeptly guided users by suggesting environmentally conscious establishments, underscoring our commitment to fostering sustainable choices.

EDUCATION

HIGH SCHOOL, LA SALLE BONANOVA, BARCELONA
SEPTEMBER 2017 – JUNE 2019

I graduated with honors, achieving a remarkable score of 13.556 out of 14 in the university entrance exams (PAU). This accomplishment earned me the prestigious PAU distinction. Additionally, I actively participated in various math contests, including Pangea and "Fem Matemàtiques", further underscoring my commitment to academic excellence. My enthusiasm for mathematics led me to engage in advanced enrichment math classes, which significantly enriched my mathematical insights and skills.

BACHELOR'S DEGREE IN DATA SCIENCE AND ENGINEERING, UNIVERSITAT POLITÈCNICA DE CATALUNYA, BARCELONA
SEPTEMBER 2019 – JULY 2023

Recently graduated with a strong academic record, I proudly achieved an exceptional GPA of 8.89 out of 10 in my bachelor's education, demonstrating my unwavering commitment to academic excellence. Particularly noteworthy, I earned honorific distinctions in four rigorous courses: Discrete Mathematics and Logic, Mathematical Optimization, Search and Analysis of Information, and Advanced Topics of Data Science.

Alongside my coursework, I actively honed my practical skills by participating in esteemed programming competitions, including both the UPC Datathon and the Google Hash Code in two separate occasions. These experiences, supported by sponsorship from major tech industry players, have fortified my problem-solving prowess, teamwork skills and underscored my dedication to pushing the boundaries of knowledge and innovation.

EXTRA-CURRICULAR ACTIVITIES

ASSISTANT COACH, LA SALLE BONANOVA, BARCELONA
SEPTEMBER 2015 – JUNE 2017

I also had the privilege of serving as a soccer assistant coach for young boys over the course of two seasons. This experience allowed me to actively engage with the enthusiastic young athletes, imparting valuable skills and fostering a sense of teamwork and sportsmanship.

VOLUNTEER ACTIVITIES
SEPTEMBER 2015 – JUNE 2019

Throughout Middle and High School, I actively participated in a diverse range of volunteering events and activities. Immersed in the gratifying experience of contributing to my community, I volunteered at a residence for the elderly affiliated with "La Congregación de las Hermanitas de los Pobres". Additionally, I assumed the role of an assistant, providing support to elderly individuals and people with disabilities in Lourdes, France. These engagements not only fostered my personal growth but also solidified my commitment to making a positive impact on the lives of others.

SPANISH TEACHER, SPAINBCN-PROGRAMS, BARCELONA
JULY 2018 & JULY 2019

During two consecutive summer breaks, I embraced the role of a Spanish teacher for foreign students. This experience provided a wonderful opportunity to connect with individuals from various parts of the world. Engaging with students of diverse nationalities and cultural backgrounds allowed me to establish meaningful interactions within a truly international setting. Beyond the scope of language instruction, these interactions facilitated the exchange of cultural insights and perspectives, fostering a deeper appreciation for global diversity.