Sebastian Andres Murcia Milla

Date of birth: 01/11/1999 | **Nationality:** Honduran | **Gender:** Male |

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About me:
Economics and Big Data Analytics students with a minor in Management Information Systems. Using this cross-disciplinary skills for the fields of Data Science and Machine Learning.

WORK EXPERIENCE

01/07/2022 – CURRENT – Taipei City, Taiwan
DATA SCIENTIST INTERN – CALOUDI CORPORATION

- Developed Anomaly Detection Software to forecast Time Series using Spatial and Temporal Data.
- Updated and improved model's F1 score up to 30% through fine tunning.
- Develop UI and Data Visualization for the project.

Website www.caloudi.com

23/02/2022 – 31/05/2022 – Taipei City, Taiwan
MACHINE LEARNING RESEARCH ASSISTANT – NATIONAL CHENGCHI UNIVERSITY SOFTWARE SECURITY LAB

- Constructed a model to detect backdoor and adversarial attacks on Neural Networks.
- Wrote academic paper "Detecting adversarial examples via information leakage on python model executions".

Website soslab.nccu.edu.tw

https://smurcia147.github.io/images/Research_paper.pdf

01/07/2021 – 30/12/2021 – Taipei, Taiwan
DATA SCIENCE INTERN – COMMERCE DEVELOPMENT RESEARCH INSTITUTE

- Received Data Science Training with Python
- Develop machine learning clustering techniques for market segmentation project.
- Assembled XGBoost model for stock price prediction.

Website www.cdri.org.tw/

EDUCATION AND TRAINING

10/09/2019 – CURRENT – Taipei City, Taiwan
B.S ECONOMICS, MINOR IN MANAGEMENT INFORMATION SYSTEMS – National Chengchi University

Relevant Courses Taken:
- Intro to Computer Science
- Data Structures and Algorithms
- Database Management
- Programming Language I and II (JAVA)
- Computer Networking
- System Analysis and Design
- Information Management

Address No. 64, Section 2, Zhinan Rd, Wenshan District, Taipei City, 116, Taipei City, Taiwan |

Website https://www.nccu.edu.tw | **Final grade** 4.02 GPA

10/09/2020 – CURRENT – Taipei City, Taiwan
BIG DATA ANALYTICS PROGRAM, DEPARTMENT OF STATISTICS – National Chengchi University

Relevant Courses Taken:
- Calculus I and II
- Regression Analysis
- Statistics I and II
- Big Data Analysis For Social Science
- Management Science
- Business Analytics with R
- Management Information Systems
- Database Management

Address No. 64, Section 2, Zhinan Rd, Wenshan District, Taipei City, 116, Taipei City, Taiwan |

Website https://stat.nccu.edu.tw/en/Program/BigData/classintro2 | **Final grade** 4.02 GPA |

Number of credits 28

LANGUAGE SKILLS

Mother tongue(s):   **SPANISH**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
MANDARIN CHINSE	B1	B1	B1	B1	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

My Digital Skills

Machine Learning and Data Science | SQL | Regression Analysis | Git | Database Management and Design

Programming Languages

Python | R | Java

PROJECTS

Database Management System Final Project

smurcia147.github.io/images/DBMS_G12_Final_Report.pdf
In this group project we designed a database from scratch for our fictional bakery website. Furthermore we developed the application using JAVA and SQL Server.

The source code can be found at my github page.

Research Paper "Detecting Adversarial examples via Information Leakage on Python Model Executions"

smurcia147.github.io/images/Research_paper.pdf

Carpool Social Media App in JAVA

smurcia147.github.io/images/CarpoolSlides.pdf
Developed a Social Media App for Carpooling using JAVA and MySQL alongside teammates for my final project for Programming Language Class II

HONOURS AND AWARDS

Regional Mathematics Olympics First Place – Association of Bilingual Schools of Honduras

smurcia147.github.io/images/Awards during highschool.pdf

20/12/2020
HULT Prize Ambassador 2020 – Hult Prize

Organized the Hult Prize events at NCCU in 2020. Hult prize is an annual start-up competition for students around the world who compete for 1 million USD.
https://smurcia147.github.io/images/HultPrizeCertificate.pdf

MOFA Scholarship – Taiwan Ministry of Foreign Affairs

Full scholarships to study one year of Mandarin Chinese plus 4 years of University in Taiwan. Each month receive a stipend of 30,000 NTD (approx. 1000 USD). Each year the Taiwanese Government provides about 30 scholarships for Honduran students.

CERTIFICATES

Datacamp Data Scientist Professional Certificate

- Received over 80 hours of Data Science training with python.
- Passed all tests Python and SQL assessment tests
- Passed final case study examination

https://www.datacamp.com/certificate/DS0014741622522