

MATIAS QUINTANA

AI RESEARCH FELLOW AND PROJECT MANAGER

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SUMMARY

Machine learning leader with 8+ years of experience delivering AI solutions at scale, managing cross-functional teams, and driving SGD 1M+ projects. Expertise in smart cities, IoT, and sustainability applications with proven success in stakeholder management and technical team leadership.

EXPERIENCE

Postdoctoral Researcher & Module Coordinator *Singapore-ETH Centre, ETH Zürich*

Apr 2023 – Present

- Led and managed team of 6 researchers (Postdocs, Ph.D. students, software developers) across Singapore and Zurich on an SGD1M project.
- Delivered ML solutions (computer vision, time series forecasting) on multimodal public data and collaborated with public and private stakeholders.
- Achieved 2x the required KPIs (models, publications, presentations) in half the required timeline.

Postdoctoral Research Fellow *National University of Singapore (NUS)*

Aug 2022 – Mar 2023

- Led and managed research projects in machine learning.
- Conducted data collection deployments from IoT sensors and wearables.
- Gave technicals workshops to local and international audiences.

Graduate Research Assistant *National University of Singapore (NUS)*

Aug 2018 – Aug 2022

- Performed unsupervised and semi-supervised learning research on sustainability and time series data.
- Developed novel ML models and datasets resulting in 26 peer-reviewed publications and presentations at intl. conferences.
- Set up cloud and scientific computing infrastructure.

Firmware & Mobile Developer *VIT Initiative, LLC*

Dec 2017 – Jun 2018

- Designed and pitched wearable product at clients' site and funding events.
- Designed and developed mobile application for wearable products.

ACHIEVEMENTS

- **ACM** | Best runner-up machine learning poster presentation
- **Singapore-ETH Centre** | Led ML and science communication workshops
- **Office of Student Affairs, NUS** | Resident Assistant and Secretary
- **Latino Graduate Student Association, CMU** | President

EDUCATION

Ph.D. Engineering

National University of Singapore (NUS)

Aug 2018 – Nov 2022

Master of Information Systems Management

Carnegie Mellon University (CMU)

Aug 2015 – Dec 2016

BSc. Electronic Engineering

Pontifical Catholic University of Peru

Mar 2009 – Jul 2014

ML/AI

Deep Learning

Unsupervised learning

Agent-based modeling

Generative AI

PROGRAMMING

Python

R

SQL

Bash

Java

MATLAB

TOOLS & PLATFORMS

Git

AWS

MLOps

LANGUAGES

Spanish

English

French (Basic)

Mandarin (Basic)