Jose A. Espino Pitti

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EDUCATION

Bachelor of Engineering
The University of Hong Kong, expected 2025
Concentration: Computer Engineering
Minors: Urban Infrastructure Informatics & Sustaining Cities, Cultures, and the Earth
Relevant Coursework: Machine Learning, Computer Vision, Embedded System Design, Probabilistic System Analysis, Computer Organisation and Microprocessors, Data Science, Electronic Circuits, Digital System Design
Current GPA: 3.9 (on a 4.3 scale)

SKILLS

Programming Languages: Python, Kotlin, R, Java, C, C++, C#, & VBA
Frameworks & Tools: NumPy, Linux, PyTorch, TensorFlow, Git, Microsoft PowerBI, Bash, LaTeX, CAD, Logism, RARS, HuggingFace, VHDL, Keras, Scikit–learn, Azure, Android Studio, MySQL, Figma
Research Interests: Natural Language Processing, Multilinguality, Machine Translation, Computer Vision, Robotics, Signal Processing

EXPERIENCE

Part–time Student Research Assistant (AI) at HKU   October 2023 to present
Develop and present workshops on Machine Learning targeted towards HKU students. Prototype and implement Computer Vision and NLP models for both research and industry purposes.

E&M Intern at MTR Corporation   June 2024 to August 2024
Automate data processing and analysis for the E&M department, evaluate and contribute to AI–based company–wide projects, analyse human factor issues in new projects, and assist in the development of the department's digital transformation strategy.

Machine Learning Research Intern at DaytaAI   June 2023 to September 2023
Implemented Computer Vision algorithms on a cloud production environment, constructed and enhanced inference pipelines, assisted in CV and NLP research, developed tools to build a systematic research and testing pipeline.

Teaching Assistant at HKU   September 2022 to December 2022
Designed tutorial classes for ENGG1330, guided groups of around 20 undergraduates in problem solving with Python, clarified concepts and assessed their performance.

Tutoring   March 2019 to Present
Instructed 40+ students, crafted instructional activities, and composed engaging lesson plans for primary school students in English, French, Spanish,& Maths.

ACTIVITIES

Head of Finance Team of Harvard College Asia Pacific Conference –   2023-2024
Session, HKU Chapter
Budget and manage financial aspect of the conference, liaise with sponsors and partners, oversee the financial team.

Founder and Chairperson of Chi Sun College Spanish Club

Plan and deliver beginner–level Spanish language classes, provide targeted feedback to members of the club, organise activities that highlight Latin American culture.

General Secretary of HKU Rowing Club — 2022-2023 Session
Responsible for the team's internal and external communications, documenting meeting records and performing a wide variety of administrative work.

HONOURS

- HKU Dean's Honours List (2021–2022, 2022–2023)
- HKU Undergraduate Scholarship for Outstanding Academic Talents
- HKU Foundation Entrance Scholarship
- One of six students representing HKU at the HKAES 2023–2024 Pitch Competition on Global Grand Challenges
- Leadership as a Practice Certification (Global Citizen Year)
- Leadership Development Winter Certificaton (HKU)
- Global Citizen Micro–credential (Universitas 21)
- Remarkable Citizen of the Year title alongside four debate teammates (Panamanian Ministry of Economy and Finances)

NATURAL LANGUAGES

- **Fluent**:
  Spanish (native), English, French, Portuguese, Galician, German
- **Advanced**:
  Cantonese, Italian, Dutch, Japanese, Haitian Creole, Indonesian
- **Intermediate**:
  Mandarin

Certifications

A full list can be found here. My notes from each course are available here.

- **Meta Android Developer Professional Certificate** (Coursera), **in progress**.
  Thirteen courses: *Introduction to Android Mobile Application Development, Version Control, Programming Fundamentals in Kotlin, Principles of UX/UI Design, Create the User Interface in Android Studio, Advanced Programming in Kotlin, Working with Data in Android, Advanced Android Development, Mobile Development and JavaScript, React Basics, React Native, Android App Capstone*, and *Coding Interview Preparation*
- **Deep Learning Specialization** (Coursera), obtained in July 2023.
  Five courses: *Neural Networks and Deep Learning, Improving Deep Neural Networks, Structuring Machine Learning Projects, Convolutional Neural Networks,* and *Sequence Models*
- **Machine Learning Specialization** (Coursera), obtained in June 2023.
  Three courses: *Supervised Machine Learning: Regression and Classification, Advanced Learning Algorithms,* and *Unsupervised Learning, Recommenders, Reinforcement Learning*
- **Python for Everybody Specialization** (Coursera), obtained in August 2020.
  Five courses: *Programming for Everybody, Python Data Structures, Using Python to Access Web Data, Using Databases with Python,* and *Capstone: Retrieving, Processing, and Visualizing Data with Python*