

Jose A. Espino Pitti

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Career Objective

EDUCATION	<p><i>Bachelor of Engineering</i> The University of Hong Kong, expected 2025</p> <p>Concentration: Computer Engineering</p> <p>Minors: Urban Infrastructure Informatics & Sustaining Cities, Cultures, and the Earth</p> <p>Relevant Coursework: Machine Learning, Computer Vision, Embedded System Design, Probabilistic System Analysis, Computer Organisation and Microprocessors, Data Science, Electronic Circuits, Digital System Design</p> <p>Current GPA: 3.9 (on a 4.3 scale)</p>
SKILLS	<p><i>Programming Languages:</i> Python, Kotlin, R, Java, C, C++, C#, & VBA</p> <p><i>Frameworks & Tools:</i> NumPy, Linux, PyTorch, TensorFlow, Git, Microsoft PowerBI, Bash, L^AT_EX, CAD, Logism, RARS, HuggingFace, VHDL, Keras, Scikit-learn, Azure, Android Studio, MySQL, Figma, Unity</p> <p><i>Research Interests:</i> Natural Language Processing, Multilinguality, Machine Translation, Computer Vision, Robotics, Signal Processing</p>
EXPERIENCE	<p><i>Part-time Research Assistant at HKU STAR Lab</i> February 2025 to present</p> <p>Conduct research on optimising the performance of Graph Neural Networks and their applicability to social good-related projects.</p> <p><i>Part-time Student Research Assistant (AI) at HKU Innovation Wing</i> October 2023 to present</p> <p>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.</p> <p><i>E&M Intern at MTR Corporation</i> June 2024 to August 2024</p> <p>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.</p> <p><i>Machine Learning Research Intern at DaytaAI</i> June 2023 to September 2023</p> <p>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.</p> <p><i>Teaching Assistant at HKU</i> September 2022 to December 2022</p> <p>Designed tutorial classes for ENGG1330, guided groups of around 20 undergraduates in problem solving with Python, clarified concepts and assessed their performance.</p> <p><i>Tutoring</i> March 2019 to Present</p> <p>Instructed 40+ students, crafted instructional activities, and composed engaging lesson plans for primary school students in English, French, Spanish, & Maths.</p>

ACTIVITIES	<p><i>Head of Finance Team of Harvard College Asia Pacific Conference – Session, HKU Chapter</i></p>	2023-2024
	<p>Budget and manage financial aspect of the conference, liaise with sponsors and partners, oversee the financial team.</p>	
	<i>Founder and Chairperson of Chi Sun College Spanish Club</i>	
	<p>Plan and deliver beginner-level Spanish language classes, provide targeted feedback to members of the club, organise activities that highlight Latin American culture.</p>	
	<i>General Secretary of HKU Rowing Club — 2022-2023 Session</i>	
	<p>Responsible for the team's internal and external communications, documenting meeting records and performing a wide variety of administrative work.</p>	
HONOURS	<ul style="list-style-type: none"> • YMCA Global Citizen Campaign Gold Award (2024) • HKU Dean's Honours List (2021–2022, 2022–2023, 2023–2024) • 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	<ul style="list-style-type: none"> • Fluent: Spanish (native), English, French, Portuguese, Galician, German • Advanced: Cantonese, Italian, Dutch, Japanese, Haitian Creole, Indonesian • Intermediate: Mandarin 	
Certifications	<p>A full list can be found here. My notes from each course are available here.</p>	
	<ul style="list-style-type: none"> • Meta Android Developer Professional Certificate (Coursera), in progress. Thirteen courses: <i>Introduction to Android Mobile Application Development</i>, <i>Version Control</i>, <i>Programming Fundamentals in Kotlin</i>, <i>Principles of UX/UI Design</i>, <i>Create the User Interface in Android Studio</i>, <i>Advanced Programming in Kotlin</i>, <i>Working with Data in Android</i>, <i>Advanced Android Development</i>, <i>Mobile Development and JavaScript</i>, <i>React Basics</i>, <i>React Native</i>, <i>Android App Capstone</i>, and <i>Coding Interview Preparation</i> 	
	<ul style="list-style-type: none"> • Deep Learning Specialization (Coursera), obtained in July 2023. Five courses: <i>Neural Networks and Deep Learning</i>, <i>Improving Deep Neural Networks</i>, <i>Structuring Machine Learning Projects</i>, <i>Convolutional Neural Networks</i>, and <i>Sequence Models</i> 	
	<ul style="list-style-type: none"> • Machine Learning Specialization (Coursera), obtained in June 2023. Three courses: <i>Supervised Machine Learning: Regression and Classification</i>, <i>Advanced Learning Algorithms</i>, and <i>Unsupervised Learning, Recommenders, Reinforcement Learning</i> 	

- **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*