Education:	Universidad Pontificia de Comillas, ICAI Master's degree in Telecommunication Engineering (MSc) 2024 - 2026 Universidad Pontificia de Comillas, ICAI Bachelor's degree in engineering in Telecommunications Technologies 2020 - 2024 GPA: 7.94/10 (Spain) The University of Texas at Austin	
	Department of Electrical and Computer Exchange Program: Senior Design Project Mentor:	August 2023 – May 2024 Dr. Gustavo de Veciana GPA: 3.8522
Coursework:	Fundamentals of telematic systems, Communication Systems, Digital Systems I, Digital Systems II, Object Oriented Programming, Signals and Systems, Algorithms, Computer Network Architecture, Computer Network Technologies, Digital Signal Processing, Microprocessors, Software Engineering, Electromagnetic Waves, Statistics, Statistics II, Digital Image Processing, Power Systems Engineering.	
Experience:		, , ,
08/24 —	 Instituto de Investigación Tecnológica Research Assistant Research on the use of autoencoders an forecasting. 	Madrid, Spain d diffusion in time series
06/23 – 08/23	Tower Consultores Madrid, Spain Business Intelligence Intern - Elaborated reports based on the company financial and performance data to aid in decision making. - Developed scripts to analyze internal data.	
09/22 – 05/23	 Developed scripts to analyze internal da Universidad Pontificia de Comillas, ICAI <i>Collaborator Student</i> Managed Structured Databases Conducted a cybersecurity audit on the 	Madrid, Spain
Skills:	Programming Languages: Java, Python, C, JavaScript, MatLAB. Design automation tools and languages: VHDL, ModelSim, LTSpice, Qucs Test and measurements: Signal generators, oscilloscopes, spectrum analyzers Machine Learning Frameworks: Pytorch, Tensorflow, Keras, ONNX Network Tools: Cisco Packet Tracer, Cisco CLI, Mininet Databases: SQL, MongoDB Languages: English, Spanish, Catalan.	
Research & Projects:		
08/24 – Current	Use of Autoencoders in Time series forecasting Co-Advised by Dr. Mario Castro and Dr.	Simón Rodríguez
08/23 - 06/24	Network optimization via the use of Reinforcem Advised by Dr. Amy Zhang	_
10/23 - 12/23	Diffusion Model for Movie Poster Generation Implemented a diffusion model from sc	ratch.
02/24	Contributions to Flower Framework.	