VÍCTOR VEGA SOBRAL

Intelligent Systems Engineering Student · AI & Data-Driven Solutions Enthusiast

This is a public version of my CV. For complete contact information, please reach out via LinkedIn or email contact on victorvegasobral.com

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About Me

4th-year Intelligent Systems Engineering student at UIE, passionate about leveraging multiple AI methods—from Deep Learning and NLP to expert systems and predictive modeling. Currently developing an integrated F1 Strategy Assistant combining different AI models as part of my ongoing research. Alumnus of Cambridge Engineering Summer Programme with international experience and media recognition (radio interview). Strong presentation skills with 25+ technical presentations and exceptional self-directed learning ability. Seeking opportunities in innovative AI companies solving complex real-world challenges.

Honors & Awards

- Academic Excellence – Overall GPA: 8.6/10 (9.2/10 in 3rd year)
- Dean's List – UIE (1st semester 2022/23, full academic year 2024/25)
- Student Representative – CEUNE (National University Council, 2023-Present) and ACSUG (Galician University Quality Agency, 2024-Present)
- Cambridge Engineering Summer Programme – Girton College (73%, 2023) - One of only two Spanish students selected nationwide

Education

BSc in Intelligent Systems Engineering – UIE (Universidad Intercontinental de la Empresa)
Sep 2022 – Jun 2026 (Expected) · A Coruña, Spain

- Current GPA: 8.6/10 (9.2/10 in 3rd year)
- Dean's List: 1st semester 2022/23, full academic year 2024/25
- Focus: AI/ML, Computer Vision, Data Analytics, Intelligent Systems

Cambridge Engineering Summer Programme – Girton College, University of Cambridge
Jul-Aug 2023 · Cambridge, UK

- Grade: 73% - One of only two Spanish students selected nationwide (both from UIE)
- Cross-cultural collaboration with international cohort primarily from Hong Kong and China
- Modules: Jet Engines, Quantum Technologies, Nanotechnology (45+ contact hours)

Certifications

- Deep Learning Specialization – Andrew Ng, DeepLearning.AI (5 courses, 2025)
- IBM Deep Learning Professional Certificate – PyTorch, Keras, TensorFlow (5 courses, 2025)

- DeepLearning.AI Data Analytics Professional Certificate – *In Progress (Expected completion: March 2025)*
- IELTS Academic – C1 Level (Overall Band Score: 8.0, 2023)

Projects

F1_Strat_Manager – Multi-Modal AI Strategy System

Multi-modal AI system combining XGBoost (MAE=0.09s), Temporal CNNs, YOLOv8, and expert systems for F1 strategy optimization. Features NLP pipeline (Whisper+BERT) for radio analysis and Streamlit dashboard with LLM chatbot. *GitHub: github.com/VforVitorio/F1_Strat_Manager*

F1_AI_Team_Detection – Computer Vision System

Real-time F1 team classification using YOLOv12 achieving 94% mAP50. Implements distance estimation between cars with intelligent false-positive filtering and object tracking. *GitHub: github.com/VforVitorio/F1_AI_team_detection*

Collaborative ML Analytics Pipeline *(Final Project - Machine Learning University Subject)*

End-to-end machine learning workflow for educational data analysis. Implemented EDA, regression modeling, and clustering analysis with model persistence. *GitHub: github.com/Santisoutoo/aprendizaje_autom-tico*

Experience

Student Representative – CEUNE & ACSUG

2023 – Present · Spain

- Invited by Dean to run for student representative, elected by fellow students for both national (CEUNE) and regional (ACSUG) councils
- Participate in higher education policy discussions and quality assessment processes
- Advocate for UIE and student interests at institutional level

Skills

Programming Languages: Python (advanced), JavaScript (basic), C (basic), C++ (basic)

ML/AI Frameworks: PyTorch, TensorFlow, scikit-learn, XGBoost, Transformers, Keras

Computer Vision: YOLOv8/v12, OpenCV, ULTRALYTICS, Roboflow

Data Science & Analytics: pandas, NumPy, matplotlib, seaborn, Plotly, FastF1, OpenF1, Streamlit

Data Pipeline & Infrastructure: SQL, data extraction workflows, end-to-end processing pipelines

NLP & Audio: Whisper, BERT, Hugging Face Transformers

DevOps & Tools: Git, GitHub, GitHub Actions, Docker, Jupyter Notebook, FastAPI, Reflex

Languages

Spanish (native), English (C1 – IELTS Academic 8.0), Galician (native)