

Carlos Marroquin

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EDUCATION

University of Washington, Seattle, WA **Expected June 2027**

Bachelor of Science in Informatics: Data Science; Minor in Business Administration

Relevant coursework: Advanced Methods in Data Science, Databases and Data Modeling, Core Methods in Data Science, Data Structures & Algorithms | GPA: 3.7/4.0

EXPERIENCE

FCP Insight, Lynnwood, WA **March 2025 - Present**

Software Engineer

- Built customized Python-based dashboards to track operational trends and surface key areas for improvement, reducing salary costs by 15%
- Restructured the company's SQL database and wrote efficient Java scripts to enable more granular data analysis and reporting
- Created and integrated the company's first data visualization tool, building new tooling to connect it with existing company software
- Designed and deployed an automated data pipeline (web scraper, LLM-based agent, and an OCR layer for scanned-image sources) that extracts and summarizes business opportunities and distributes automated email digests, centralizing opportunity intelligence across departments
- Led organizational changes by presenting dashboard-driven insights in leadership meetings, informing structural decisions across the company

PROJECTS

Advanced Methods in Data Science (INFO 371), UW **Winter 2026**

- Built and evaluated a progression of supervised machine learning models in Python — linear, logistic, and multivariable regression, then binary and multi-class classification
- Applied NLP techniques to estimate the age of historical Chinese documents from textual features
- Developed a fish disease detection classifier on real-world biological data using boosted trees within a random forest ensemble, achieving up to 95% accuracy

LEADERSHIP & ACTIVITIES

AIESEC UW, Seattle, WA **September 2024 - March 2026**

Vice President, Outgoing Global Operations

- Led a team of student officers to research and produce concise cross-functional reports on global exchange opportunities, informing collaboration with partner organizations

SKILLS & INTERESTS

Technical: Python, SQL, R, Pandas, NumPy, scikit-learn, Data Visualization (Power BI, Matplotlib, Plotly), Java, Git

Interests: Databases, Machine Learning, Data Visualization, Web Development, Fitness