WALTER JUNIOR NAVARRO COLLAO

Computer Engineering Student

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PROFILE

Computer Engineering student at the Pontificia Universidad Católica del Perú (PUCP), building at the intersection of software engineering, artificial intelligence, blockchain, and financial markets. Experienced in developing digital platforms, coordinating hackathon projects, and contributing to student technology communities. I aspire to become a technical leader and entrepreneur who combines engineering depth, business judgment, and disciplined execution to turn ambitious ideas into useful products. Particularly motivated by opportunities to improve financial decision-making, expand access to technology, and create opportunities for young people in Latin America.

EDUCATION

Pontificia Universidad Católica del Perú (PUCP) Lima, Peru

Informatics Engineering – 8th cycle 2026

SKILLS

Programming: C/C++ (Advanced), Python (Intermediate), Java (Intermediate), Solidity (Basic)

Software Development & Tools: HTML, CSS, Git, GitHub, AWS, Figma, Balsamiq

Data Analysis & Visualization: SQL Server, Oracle SQL, Power BI, Excel (Advanced), Lucidchart, draw.io

AI Systems & Project Design: Requirements Engineering, Conversational Flow Design, Agentic Workflow Design, Human-in-the-Loop, Feature Prioritization

Financial Markets: Bloomberg Terminal, TradingView, MetaTrader 5, CoinMarketCap, Yahoo Finance

Languages: Spanish (Native), English (Advanced – CEFR C1)

EXPERIENCE

Vice President & Founder, Blockchain Club PUCP 2025 – Present

- Support strategic growth, institutional positioning, partnerships, community engagement, and project coordination.
- Led the implementation of a Socioeconomic Scholarship Evaluation System using AI to classify eligibility and smart contracts to store results on a blockchain.
- Support blockchain, Web3, and emerging technology events and workshops.

CFO & Founding Member Mar 2026 – Present

AXIS | Innovation & Leadership Summit – Part-time, On-site, Lima

- Oversee financial management and support compliance with internal policies and applicable regulations.
- Review and approve cash flows and coordinate supplier payments to maintain operational continuity.
- Review and validate B2B corporate contracts, supporting transparency, financial control, risk management, and alignment with organizational objectives.

Software Developer, Trading Labs Feb 2026 – Present

- Apply Python, C++, statistics, and machine learning to fintech projects, including predictive models for trading and risk analysis.
- Collaborate with analysts and finance professionals on research initiatives and use Bloomberg Terminal for market monitoring and financial analysis.

Independent Capital & Market Analysis 2024 – Present

- Manage private investment capital using structured risk management principles and technical and behavioral market analysis.
- Develop disciplined execution strategies and performance tracking methods to evaluate investment decisions.

HACKATHON PROJECTS & ACHIEVEMENTS

SkyNet – First Place by Community Vote
ClawsHack, Sundai Latam – Sci-fi Track

- Co-developed an AI agent prototype in an eight-hour hackathon with a three-person team, earning first place by voting on Sundai's official website.
- Designed around knowledge transfer before shutdown: curating decisions, context, reasoning, and outcomes into a dataset for a successor agent.

MuelAI – Project Manager & Requirements Engineer
Sundai Latam / NTT DATA Hackathon

- Coordinated project scope, prioritized critical features, and contributed to requirements, conversational flows, and AI system architecture for a dental clinic assistant prototype.
- Collaborated on a LangChain and LangGraph solution with Human-in-the-Loop intervention, patient information handling, and conversation state management.

Branding NFT Marketplace – ImpactaBootcamp
Stellar Satellite Event, hosted at NTT DATA

- Collaborated with a four-person team on a marketplace concept enabling brands and creators to launch NFT collections with a defined visual identity.
- Connected tokenization and community building with go-to-market planning, exploring development on Stellar and practical business applications.

SELECTED SOFTWARE PROJECTS

- **TradeLix – AI Paper-Trading Platform:** AI trading prototype with a FastAPI pipeline for news, sentiment, features, risk assessment, and decision gating. Combines a Vite/React dashboard with Alpaca's paper-trading client, Postgres, Redis, and Lightweight Charts. [Frontend] [Backend]
- **Learn to Leader:** Gamified PWA prototype designed to strengthen employability and digital entrepreneurship among Latin American youth. Includes interactive learning paths, XP, and streaks, built with Next.js 14, TypeScript, Tailwind CSS, and Zustand. [GitHub]
- **Eventia – University Event Management System:** Distributed web application for academic and cultural events, with a Java backend and C# frontend integrated through web services. Implemented concurrent database transactions, stored procedures, and CRUD operations. [GitHub]
- **SpaceLap – Campus Reservation Platform:** Web application for reserving computer labs, study cubicles, and workspaces at PUCP. Includes student authentication and persistent sessions, built with React, Vite, TypeScript, and Tailwind CSS.
- **GeoPredIA – GeoRisk Decision Hub:** Explainable geological, environmental, and social risk assessment prototype for mining exploration zones, with zone overviews, comparisons across three risk dimensions, and illustrative AI-agent scenarios.

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

Microsoft AI Skills Fest 2026 2026
Completed AI-focused learning paths covering GitHub Copilot, agent development and orchestration with Microsoft technologies, Azure DevOps optimization, enterprise AI agents, accessibility, and responsible AI adoption.

Bloomberg Market Concepts (BMC) – Bloomberg Mar 2026

Data Analysis with Excel + AI – CTIC, UNI Mar 2026

Intermediate Python Programming – UNI Aug 2025

Software Engineering & UX Certificates – PUCP Dec 2024
Fundamentals of Requirements Engineering; Fundamentals of UX for Software Development; Fundamentals of UX and Software Requirements; Introduction to Software Development.

LEADERSHIP & COMMUNITY ENGAGEMENT

III Student Leaders Meeting – Universidad del Pacífico & PUCP

- Participated in an inter-university exchange of student leadership practices and collaborated on a joint proposal addressing challenges faced by student organizations.
- Contributed to discussions on youth empowerment, community initiatives, and collaboration across organizations.