VICENTE LAVAGNINO GATICA

Visiting Student @ MSc CS EPFL

Globe 11lavagnino.cl

Phone 11+41 77 289 4018

MapMarker 11Lausanne

Envelope 11vicente.lavagninogat-

ica@epfl.ch

Github 11github.com/VicenteLavagnino

LinkedinSquare 11/in/vicentelavagnino
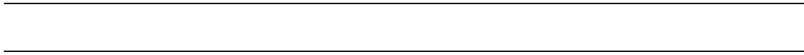
Vicente Lavagnino

vicente.lavagnino@uc.cl linkedin.com/in/vicentelavagnino
+41 77 289 4018
Lausanne, Vaud, Switzerland github.com/VicenteLavagnino
lavagnino.cl

Experience

Software Engineer Intern Motex AI
Jul 2025 - Present

- Harvard spin-off, part of the founding team developing innovative AI solutions
- Contributing to core product development and technical architecture decisions
- Collaborating on technical strategy definition and system architecture

Software Engineer Intern Entel
Apr 2025 - Jul 2025

- Micro internship through "Sin Límites" program, developed internal AI tool for report writing automation
- Extracted key insights from private consultancy sources using advanced data processing techniques
- Implemented natural language processing algorithms for document analysis
- Optimized internal workflows reducing report generation time by 40%

Teaching Assistant Pontificia Universidad Católica de Chile
Mar 2025 - Jul 2025

- Software Systems Architecture course (IIC2173) - 2025-1 semester
- Assisted students in understanding complex system design patterns and software architecture principles
- Developed supplementary educational materials and practical exercises
- Evaluated student projects and provided constructive feedback

Ski Instructor Sierra-at-Tahoe Resort
Dec 2023 - Mar 2024

- J1 Visa position in California, United States
- Taught over 100 first-time skiers, developing effective teaching methodologies for beginners
- Adapted teaching techniques to different learning styles and skill levels
- Contributed to development of training programs for junior instructors

Secretary General - Student Council CAi - Centro de Alumnos de Ingeniería UC
Dec 2022 - Dec 2023

- Led student representation initiatives for over 5,000 engineering students
- Managed organizational activities and coordinated between student body and university administration
- Organized large-scale academic and social events with participation of over 1,000 students
- Developed effective communication strategies between students and university authorities

Mathematics Teacher Preuniversitario Parábola
Jan 2022 - Dec 2022

- SAT-equivalent preparation program in Chile
- Developed weekly classes and contributed to study material creation for mathematics curriculum
- Implemented teaching methodologies adapted to different levels of mathematical comprehension
- Helped students improve their average scores by 25% during the teaching period

Research Experience

Research Assistant Centro Nacional de Inteligencia Artificial
    May 2025 - Sep 2025

- Supervised by PhD Marcelo Mendoza, collaborated on MSc Martín Bórquez's thesis research
- Developed NLP techniques for bias detection in job advertisements
- Contributed to academic research methodology and data analysis
- Implemented text classification algorithms for bias pattern identification
- Collaborated in preparation of academic papers and research presentations

Education

Visiting Student - Master's Program, Computer Science Sep 2025 - Jun 2026
EPFL (École Polytechnique Fédérale de Lausanne) Lausanne, Switzerland
CS | AI & Business 2025
Stanford Continuing Studies Stanford, CA
Bachelor of Engineering - Software Engineering Mar 2021 - Dec 2026
Pontificia Universidad Católica de Chile Santiago, Chile
High School Exchange - English Learning Dec 2018 - Mar 2019
EF International Language Centers United States

Volunteering

Volunteer Trabajos de Invierno
    2022

- Engineering initiative dedicated to building tools to help overcome poverty in Araucanía region
- Constructed pigpen and water tower in Teodoro Schmidt, contributing to community infrastructure
- Collaborated in design and implementation of potable water systems for rural communities
- Coordinated volunteer teams and managed resources for construction projects

Head of Finance Laboratorio Estudiantil de Políticas Públicas UC
    2022

- Managed expenses and represented initiative during university fund allocation processes
- Developed financial reporting systems for student-led policy research organization
- Implemented budget controls and internal audit processes
- Presented quarterly financial reports to university administration

Volunteer Ingeniería Para Chile
    2021 - 2022

- Maker Commission member, finding engineering solutions to real-world problems
- Enhanced efficiency of heating networks in socioeconomically vulnerable homes
- Initiated project to restore unused microwaves within Student Council facilities
- Developed prototypes of engineering solutions for identified community problems
- Organized technical training workshops for students and community members

Committee Member CAi Committees
    2021 - 2022

- Public Role Commission member, developing projects in collaboration with School administration
- Contributed to student engagement initiatives and university policy development
- Organized networking events between students and industry professionals
- Developed improvement proposals for academic programs and student services

Awards and Honors

People's Choice Winner Platanus Ventures Hackathon 2024
The Bridge @ UC Scholarship Pontificia Universidad Católica de Chile
Puntaje Nacional Matemáticas Chile National Mathematics Score
3rd Place BCG Challenge Chile 2025

Languages

Programming Languages: Python, JavaScript / TypeScript, HTML / CSS, Java, SQL

Tools and Frameworks: Git, React, Node.js, Koa.js, Sequelize, PostgreSQL, LaTeX

Languages: Spanish (native), English (proficient)