

Juan José Alonso

Software Engineering Student

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Profile

Software Engineering student since March 2021. Capable of leading projects alongside teams of talented individuals, with a genuine and unwavering commitment to user-centered design. Sensitive to client needs, and enthusiastic about delivering products that reflect an authentic connection between the company and its market. Keen on new AI technologies, and passionate about utilizing them to serve people.

Areas of Knowledge

Web Development - Data Science - Data Analysis - Machine Learning - Databases - UI/UX Design - Product Management

Education

BSc Software Engineering (*Pontificia Universidad Católica de Chile*) **Santiago, CL** 2021-2025 (*Expected*)

Relevant Courses: Data Structures and Algorithms, Artificial Intelligence, Data Mining, Recommender Systems, Detailed Software Design, Databases

Experience

“The Masters” Competition Winner (*Oxford International*) **London, UK** 04/2019

- Won 1st Place for developing a business proposal for a subscription-based recycling service.
- Led the logistics team, to review the technical feasibility of the project through the optimization of processes related to the transportation of the service.
- Maintained cohesion and a positive atmosphere within the team during times of crisis.

Innovation & Entrepreneurship Committee Member (*CAi @ UC Chile*) **Santiago, CL** 06/2021 - 12/2021

- Helped develop multiple activities, related to Innovation & Entrepreneurship, in order to engage with the engineering school community.
- Authored the interview questions for a dynamic podcast featuring Karim Pichara, CTO and Co-Founder at NotCo, a Chilean unicorn developing AI inspired foods.

TA @ Engineering Challenges (*Engineering School @ UC Chile*) **Santiago, CL** 03/2022 - 07/2022

- Supervised a group of 90 students through a crucial, early-stage engineering course in our Engineering School.
- Mentored three student groups throughout the semester, culminating in one group winning first place and another second place at the project fair, which featured 900 competitors.
- Received a flawless performance review, highlighting exceptional leadership and organizational skills

Tutoring Coordinator (*Repunta*) **Santiago, CL** 06/2023 - Present

- Helped connect more than 30 teachers with school students who are in need of tutoring.
- Recorded each tutoring session details, so the parents are aware of the performance and improvement of their children.

OSUC's Developer (*OSUC @ UC Chile*) **Santiago, CL** 03/2024 - Present

- Helped develop various open-source projects directed at students from UC Chile.

Intern (*Williamson Industrial S.A.*) **Santiago, CL** 07/2024 - 08/2024

- Automated the creation of multiple sales reports for use in board meetings.

TA @ Artificial Intelligence (*Engineering School @ UC Chile*) **Santiago, CL** 07/2024 - Present

- Conducted several classes for 160 students on the fundamentals of artificial intelligence, including ASP, SVM, Gradient Boosting, and Decision Trees.
- Created exams, assignments, and quizzes, which I also graded, to assess student performance.

Researcher (*Engineering School @ UC Chile*) **Santiago, CL** 07/2024 - Present

- Participated in a PhD student's research project, where we are investigating the ability of Large Language Models (LLMs) to conduct security code reviews.
- Labeled over 500 code reviews, which significantly increased my understanding of software security vulnerabilities.

Skills

- **Programming Languages:** Python, C/C#, Ruby, SQL, R, Clingo (ASP), Wolfram Language
- **Data Visualization:** Pandas, R Studio, Microsoft Power BI, Excel
- **Frameworks:** Django, Flask, PyQt, Ruby on Rails, .NET, Tailwind CSS
- **Machine Learning:** scikit-learn, PyTorch, TensorFlow
- **Tools:** Git, LaTeX, Docker, Postman, Valgrind
- **Soft Skills:** Public Speaking, Presentation, Leadership, Teamwork, User-Oriented Thinking, Active Listening
- **Traits:** Passionate, Eager to Learn, Ambitious, Perfectionist, Joyful

Languages

- **Spanish** [Native]
- **Catalan** [Intermediate] - B1
- **English** [Advanced] - C1