

Sebastián Zabala Martinez

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Software Engineer

Pontificia Universidad Católica de Chile

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Profile

I enjoy working as a web developer and have a special interest in both machine learning and data science. I am comfortable working in teams and value establishing positive relationships with my colleagues. I am passionate about seeking knowledge and am always willing to take on new challenges. My hobbies include volleyball, 3D printing, and board games.

Education

Pontificia Universidad Católica de Chile

2018 – 2023

Santiago, Chile

- Software Engineer, Minor in Computer Sciences and Technological Foundations.

Work Experience

Intern

July 2023 – September 2023

Frogmi

- Full Stack Developer Internship. Implementation of mass reports for clients using AWS microservices in Go. Backend and frontend development in Ruby on Rails.

Research Assistant

March 2023 – July 2023

Pontificia Universidad Católica de Chile

Department of Computer Science

- Research on agent-based simulation for the sociological study of drug-related crimes in Santiago, Chile.

Data Mining Assistant

July 2021 – December 2022

Pontificia Universidad Católica de Chile

Department of Computer Science

- Design and grading of evaluations in Python, extensive use of Pandas and NumPy. Course planning and teaching assistance.

Backend Developer and DevOps

July 2021 – December 2021

Red Nabu

Capstone

- Medical platform for patient enrollment, tracking, and control in clinical trials. Design and implementation of software architecture, deployment, and backend.

Software Developer

August 2021 – June 2022

Pontificia Universidad Católica de Chile

Caleuche UC Interdisciplinary Team

- Member of the Caleuche UC Simulation Team. International competition Maritime RobotX Challenge. Design and development of ROS architectures for communication in an autonomous system.

Advanced Programming Assistant

March 2020 – July 2020

Pontificia Universidad Católica de Chile

Department of Computer Science

- Design and grading of evaluations in Python.

Skills

English Level	-	Advanced, 985 points on TOEIC exam (C1)
Languages	-	Proficient in Python and Go. Experience with: JavaScript, Ruby, SQL, C, and C#.
Frameworks	-	Experience with Django, NodeJs, RoR, and ROS.
Others	-	Proficient in data handling libraries such as Pandas and Numpy, machine learning libraries like sklearn and torch. Experience with AWS.