



Languages Python – JavaScript – C – SQL – HTML – CSS – R – Ruby – LaTeX – ASP – English – Spanish

Technologies Ruby on Rails – Angular – PHP – WordPress – Django – AWS – Azure – Clingo

Machine Learning OpenAI – BLOOM – Fine-tune – TensorFlow – PyTorch – Scikit Learn – Transformers

Experience

Edutecno

Software Engineer

- Engineered the frontend and backend of a software that utilizes AI to automatically generate coding lessons
Technologies: Angular (TypeScript) – OpenAI GPT-3 API – Azure Text-To-Speech API – Azure Functions (Server)

AI Developer

- Implemented a Semantic Search, so the AI can answer based on a corpus of data (.pdf, .txt, .docx, etc.)
Technologies: OpenAI GPT-3 Similarity API
- Contributed to the development of an NLP model that not only provides theoretical knowledge but also enables the user to apply it in real-world situations, fulfilling the principles of teaching design.
Technologies: BLOOM - PyTorch – Scikit Learn – Transformers – AWS SageMaker

NeoSer

Software Engineer

- Developed a software that seamlessly connects store sales with the billing system.
Technologies: Google Sheets

Web Developer

- Improved web page by updating database, revamping visual design, and incorporating UX/UI best practices.
Technologies: WordPress

MIT Human-Centered AI & Visualization Research Workshop

Member of the Student Cohort

Education

Craighouse School

- Highest Score on Stanford Math Competition in Chile.
- Debate team: Represented Chile in a Latin America Model United Nations.
- International Baccalaureate (IB): 7 Physics HL – 6 Math HL – English & Spanish Bilingual Diploma
- Chilean High School GPA: 6.95 / 7
- PSU, former Chilean SAT (out of 850): GPA 824 – Ranking 850 – Spanish 708 – Math 811 – Science 817
- Two-time Regional Physics Competition Champion.
- Elected as Prefect by professors and peers.

Pontifical Catholic University of Chile

- Pursuing a Bachelor of Science in Engineering with a Computer Science major and Electrical Engineering minor.
- Teacher assistant in Introduction to Programming.
- Teacher assistant in Data Structures & Algorithms.
- Chilean College GPA: 6.2 / 7
- Highest Score on the Engineering Fundamentals Exam 2021-1.

College Coursework Projects

- Developed a web-based carpool app for college campuses as part of a Software Engineering course (& other coursework projects related to creating websites).
- Implemented reinforcement learning to train an AI to play Flappy Bird (& other coursework projects related to AI).