

Curriculum Vitae

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🎂 24 years

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Región Metropolitana

🇨🇱 Chilean

🌐 <https://github.com/Tvallejos>

Chile

Profile

Computer Science engineering student at University of Chile, Scout, passionate about teaching, committed on challenges, high teamwork capacity, music enthusiastic and always searching new knowledge.

Education

University of Chile

SANTIAGO, REGIÓN METROPOLITANA, CHILE

Master candidate in Compute Science

2021 – present

Civil Engineering in Computer Science

2016 – present

Bachelors in Computer Science

2016 – 2021

Distinctions: Outstanding student 2017, 2018 and 2020

Relevant Courses

Programming Languages given by Federico Olmedo

Spring 2019

Main topics: Programming Languages implementation, application, semantics. Mechanisms for enhancement languages, macros in particular.

Functional programming given by Federico Olmedo

Fall 2020

Main topics: Haskell, Functors, Applicatives, Monads, Parallelism in functional languages, make code optimizations capturing recurrent programming patterns, mathematical reasoning about programs.

Compiler Design and Implementation given by Éric Tanter

Spring 2020

Main topics: parsing, assembly x86-64 generation, compiling multiple data types, interaction with C, procedures, recursion management, types inference and verification, data structures, first class functions, objects, memory management, execution optimizations and efficiency. .

Languages

Spanish native speaker

Certified TOEFL-ITP B2 English

Intermediate French

Academic Experience

Department of Computer Science (DCC) - University of Chile.

- Member of the Academic Evaluation Committee** 2019 – 2021
Deal with administrative and strategic aspects of undergraduate teaching, ensure the curricular coherence of the specialty.
- Teaching director at the students center of DCC** 2019 – 2020
Represent students of DCC in front of any authority, promote integration and participation at the DCC community, generate instances to canalize and give solutions to students problems.
- Teaching Assistant at CC5116 Compiler Design and Implementation** Spring 2021 – Present
Meet with students for resolve doubts about their implementations. Video editing for migrating the course into flipped classroom. Quiz design. Quiz and Homework grading.
- Teaching Assistant at CC4101 Programming Languages** Spring 2020 – Present
Recitation of practical classes. Management of teaching aides for test, exam and homework grading.
- Teaching Assistant at CC3002 Design and Programming Methodologies** Fall 2020 – Spring 2021
Recitation of theoretical and practical classes. Management of teaching aides for test, exam and homework grading.
- Teaching Aide at CC4101 Programming Languages** 1 Semester
- Teaching Aide at CC3002 Design and Programming Methodologies** 2 Semesters
- Teaching Aide at CC3001 Algorithms and Data Structures** 2 Semesters

Escuela de Verano - University of Chile

- Teaching Assistant at Arduino based programming** April 2018 – August 2018
Help students on circuits configuration and arduino programming, teaching them to code robots through the practice.
- Teaching Assistant at Introduction to Robotics** July 2018
Help students to assimilate programming concepts through the use of programmable robots Iroh.

Professional Experience

ALMA observatory

- Summer Internship 2020 - Computer Science, Software Engineering students** Summer 2020
Design and implement a monitoring system for docker swarm application environment. Including an automatized setup and deployment for monitoring hosts, docker process and applications running inside of docker containers.