

HEINICH PORRO

heinich.porro@xlim.fr ♦ (+56) 986903449 ♦ (+33) 681421522

EDUCATION

Universidad de Chile

Santiago, Chile

- Bachelor of Engineering Science in Computing *Mar. 2015 - Jan. 2020*
- Computing Engineering *Mar 2017 - May. 2021*
- Master of Science in Computer Science *Mar. 2020 - May. 2021*
Thesis Project: Delaunay Triangulations for Moving Points Fixed Radius near Neighbors

Université de Limoges

Limoges, France

- Ph.D. in Computer science student. *September 2021 - Today*
Thesis Project: Dynamic Simulations based on 3D Delaunay Triangulations

WORK EXPERIENCE

Geophysics Department, University of Chile

Jul. 2019 - Dec. 2019

Software Eng./Part time dev. (Javascript)

Santiago, Chile

- Worked in a team that developed a web platform to visualize natural disasters. I was part of the design and implementation of a tool to improve decision making in the case of an earthquake.

Synopsys Chile Ltda.

Jan. 2019 - Feb. 2019

R&D Intern (C++/Python)

Santiago, Chile

- Worked in CATS software, fixing coverity issues and improving a gdb tool used to debug geometric algorithms.

Geomechanics laboratory, AMTC

Sep. 2018 - Dec. 2018

Research Intern (Python)

Santiago, Chile

- AMTC is the advanced mining technology center dependent of the University of Chile.
- In charge of design and implementation of 3D mesh algorithms (mesh slicing variants) applied to sublevel stoping mining planning.

DISTINCTIONS

Outstanding student years 2019 and 2020. Awarded by the faculty of Physical and Mathematical Sciences of the University of Chile.

ACTIVITIES

Relevant teaching Assistant roles at University of Chile in the following courses:

- Computer Graphics, Visualization and Modeling for engineers *Spring 2020/Spring 2021*
- Design and Analysis of Algorithms *Spring 2020/Spring 2021*
- GPU Computing *Spring 2021*

Other Activities

Extension Director of the Computer Science student council at University of Chile in 2019.

SKILLS

Languages

- Fluent on Spanish.
- Proficient in English writing and speaking.
- Basic French understanding.