# HEINICH PORRO

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## EDUCATION

**University of Chile**

| | |
|---|---|
| Bachelor of Engineering Science in Computing | *Jan. 2020* |
| Computing Engineering | *Mar. 2017 - Now* |
| Master of Science in Computer Science | *Jan. 2020 - Now* |

## 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.

## ACTIVITIES

**Teaching Assistant roles at University of Chile in the following courses:**

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|---|---|
| · Computer Tools for Engineering and Sciences | Autumn 2017 |
| · Introduction to Programming | Spring 2017 |
| · Design and Programming Methodologies | Years 2018-2020 |
| · Discrete Mathematics for Computer Science | Autumn 2019 |
| · Computer Graphics, Visualization and Modeling for engineers | Autumn 2020 |
| · Design and Analysis of Algorithms | Autumn 2020 |

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

## DISTINCTIONS

Outstanding student year 2019  *Computer Science Engineering, University Of Chile*