

Juan-Pablo Silva Peña

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Education

Universidad de Chile

MASTER OF SCIENCE IN COMPUTER SCIENCE

Santiago, Chile

2019 - present

University of Chile

COMPUTER SCIENCE ENGINEERING

Santiago, Chile

2014 - present

University of Chile

BACHELOR IN COMPUTER SCIENCE

- GPA 6.1/7.0.

Santiago, Chile

2014 - 2019

Conservatorio Nacional de la Música

CLASSICAL GUITAR INTERPRETATION

- Intermediate level on musical interpretation.

Santiago, Chile

2009 - 2012

Work Experience

Intelligent Software Construction Laboratory (ISCLab)

RESEARCH ASSISTANT

- Research in artificial intelligence and software engineering.
- Research on applying machine learning to source code.

Santiago, Chile

2017 - present

Inria Chile

INTERN

- Compile a bibliography related to automatic consistent narrative generation, and adapt and implement several techniques of narrative generation to the context of an educational video game.
- Design of a proposal for the integration of auto generated ethical and moral conflicts, through related narratives, to the video game.

Santiago, Chile

July 2017 - July 2017

NIC Chile Research Labs

INTERN

- Install and configure a HTC (High-throughput computing) software, to automate different tasks inside the laboratory.
- Evaluate the installed software on several environments inside the laboratory to quantify the positive impact of using it.

Santiago, Chile

December 2016 - January 2017

Teaching

CC3002 - Design and Programming Methodologies

TEACHING ASSISTANT

- Recitation classes (theoretical and practical) and design of homework material.
- Management of teaching aides, for test, exam and homework grading.

University of Chile, Chile

Fall 2018 - present (3 semesters)

CC5114 - Neural Networks and Genetic Programming

TEACHING ASSISTANT

- Office hours to assist students with their course projects.
- Management of teaching aides, for homework grading.

University of Chile, Chile

Spring 2018

CC3201 - Databases

TEACHING AIDE

- Grading of tests, practical activities and exam.

University of Chile, Chile

Fall 2019

CC3002 - Design and Programming Methodologies

TEACHING AIDE

- Grading of tests, exam and homeworks.

University of Chile, Chile

Fall 2017 - Spring 2017 (2 semesters)

CC3301 - Systems Programming

TEACHING AIDE

- Grading of tests, exam and homeworks.

University of Chile, Chile

Fall 2017

Academia

SANER'2019 (IEEE International Conference on Software Analysis, Evolution, and Reengineering)

EXTERNAL REVIEWER

ERA Track

2018

Other activities

Artificial Intelligence Workshop - OpenBeauchef

CO-INSTRUCTOR

- Design of the practical and interactive activities.
- Theory on neural networks and tensorial calculus.

Santiago, Chile

May 2019

Educational Technical Committee, DCC University of Chile

MEMBER OF THE COMMITTEE

- Approval and validation of courses to be imparted on a department and faculty level.
- Discussion on techniques, protocols and methodologies to be used on the wellness of the students, teaching aides and teaching assistants in the department.

Santiago, Chile

2018 - present

Language Skills

Spanish Native

English Fluent

Japanese Advanced/Business

Awards

Dean's List, FCFM, Universidad de Chile

2016, 2017, 2018