

Sebastian Orellana Villota

*Master's student in Biological Sciences with Mention in Neuroscience

*Bachelor in Physics with Mention in Astronomy

*Middle Level Technician in Electronics

PERSONAL DATA

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WORK EXPERIENCE

FEB 2019 PRESENT	Computational Neuroscience Laboratory Assistant <i>Centro Interdisciplinario de Neurociencia Valparaíso (CINV), Universidad de Valparaíso, Valparaíso</i>
JAN 2019 MAR 2018	Classroom and Laboratory Teacher <i>Universidad Católica del Norte, Antofagasta</i> Courses: <ul style="list-style-type: none">• Newtonian Mechanics• Electricity and Magnetism• Electricity and Magnetism Laboratory• Electricity and Optics Laboratory for Geologists• Thermodynamics Laboratory
2014-2017	Pre-University Substitute Professor <i>Preuniversitario Pedro de Valdivia, Antofagasta</i> Course: <ul style="list-style-type: none">• General Physics
2014-2017	Classroom Assistant <i>Universidad Católica del Norte, Antofagasta</i>
JUN 2011 NOV 2012	Electromechanical Assistant <i>Minera Escondida, Antofagasta</i> Maintenance and repair of electromechanical components of electric shovels for mining.
FEB 2011 MAY 2011	Electromechanical Trainee <i>MB Ingeniería, Antofagasta</i> Maintenance and repair of electromechanical components of conveyor belts for mining.
NOV 2010 JAN 2011	Apple Inc. Sales Assistant <i>Falabella, Antofagasta</i> Software and hardware assistance for Apple Inc. products.

EDUCATION

2019-PRESENT	Master's student in Biological Sciences with Mention in Neuroscience <i>Universidad de Valparaíso, Valparaíso</i> Research Interests: Neural Dynamics, Network Topology and Spike Trains Statistics Supervisor: Dr. Patricio Orio
2013-2018	Bachelor in Physics with Mention in Astronomy <i>Universidad Católica del Norte, Antofagasta</i> Tesis: "Quantum Carnot cycle in an infinite potential well with moving walls at constant velocity" Supervisor: Dr. Douglas Mundarain
2007-2010	Middle Level Technical Degree in Electronics <i>Colegio Técnico Industrial Don Bosco, Antofagasta</i>

CERTIFICATES AND TRAINING

JAN 2020	Certificate "LASCON 2020: 8th Latin American School on Computational Neuroscience" <i>NeuroMat – Research, Innovation and Dissemination Center for Neuro-mathematics / Institute of Mathematics and Statistics, University of São Paulo</i>
JAN 2019	Certificate "LACONEU 2019: 5th Latin-American Summer School in Computational Neuroscience" <i>Centro Interdisciplinario de Neurociencia de Valparaíso (CINV), Valparaíso</i>
NOV 2018	Scientific Poster SOCHIFI 2018 <i>Universidad Católica del Norte - Universidad de Antofagasta, Antofagasta</i>
AGU 2018	Attendance "1st Computational Neuroscience Workshop CINV" <i>Centro Interdisciplinario de Neurociencia de Valparaíso (CINV), Valparaíso</i>
AGU 2018	Attendance Scientific Workshop: "The Current Success on Radiotherapy and Future Challenges: Physics meets Medicine" <i>Heidelberg Center para América Latina, Santiago</i>
NOV 2017	Certificate Summer School in Medical Physics : "Current Status of Imaging for Radiotherapy" <i>Heidelberg Center para América Latina, Santiago</i>
JAN 2016	Certificate "4rd Chilean School of High Energy Physics" <i>Universidad Técnica Federico Santa María, Valparaíso</i>
2011-2012	Certificate "Operator Development and Maintainers Program" (PDOM) <i>Centro de Entrenamiento Industrial Minero (CEIM), Antofagasta</i>
APR 2011	Certificate "Electrical Machines and Electrical Risks" <i>Universidad de Antofagasta Asistencia Técnica S.A. (UATSA), Antofagasta</i>

LANGUAGES

Language	Written Comprehension	Auditive Comprehension	Oral Expression	Written Expression
English	B2	B2	B1	B1

OTHER SKILLS

Basic Knowledge : C, LINUX, ubuntu, \LaTeX
Intermediate Knowledge: WOLFRAM MATHEMATICA, PYTHON