

PERSONAL INFORMATION

Name **ARÓSTICA, REIDMEN ALEXANDER**
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Nationality Chilean
Date of birth 12 – 14 - 1994

INTERNSHIPS

- Dates (from – to) **DECEMBER 2017 – JANUARY 2018**
 - Employer [Phd. Daniel Hurtado](#) – Faculty of Engineering, Pontifical Catholic University of Chile
 - Sector of work Investigation: Modeling and Numerical Simulation.
 - Occupation held Summer Investigator at Institute of Biomedical Engineering
 - Main activities Define model and use numerical procedures to characterize bone behavior under stress.
- Employer Classification 7.0/7.0, Productive and Independent Investigator.

- Dates (from – to) **DECEMBER 2016 – JANUARY 2017**
 - Employer [Phd. Felipe Tobar](#) – Center of Mathematical Modeling (CMM), University of Chile
 - Sector of work Investigation: Financial Data prediction.
 - Occupation held Investigator (Conicyt Funded) at CMM
 - Main activities Application of Reinforcement Learning Technique to Financial data prediction.
- Employer Classification 6.0/7.0, Proactive to work and generate ideas.

- Dates (from – to) **JANUARY 2016 – FEBRUARY 2016**
 - Employer [Phd. Rodrigo Assar](#) – Faculty of Medicine, University of Chile
 - Sector of work Investigation: Biostatistics Methods.
 - Occupation held Summer investigator at Center of Genetics of Medicine Faculty.
 - Main activities Implement Statistical Methods of Genetics Counters for Proteins.
- Employer Classification 7.0/7.0, Proactive and enthusiast at work

EDUCATION AND TRAINING

- Dates (March 2015 – Present)
 - Institution Mathematical Civil Engineering and Master in Applied Mathematics (Estimated: March 2019)
University of Chile

- Dates (March 2013 – December 2017)
 - Institution Bachelor's degree in Civil Engineering with Specialization in Mathematics
FCFM, University of Chile

- Dates (January 2015 – February 2015)
 - Organization Summer Course of Topology
Summer School, Mathematics Department at the University of Chile.

- Dates (December 2012)
 - Organization High-School Studies

- Level in national classification PSU:787 (National Position Entrance 78), Percentile: 97th.

Conferences	Hands-on Instructor at: Inverse Problem Methods. Applications and Synergies (IPMAS) 2019 15-17 January, 2009 - Santiago, Chile
PERSONAL SKILLS AND COMPETENCES	
MOTHER TONGUE	SPANISH
<ul style="list-style-type: none"> • Reading skills • Writing skills • Verbal skills 	ENGLISH (MICHIGAN TEST APPROVED, 2014) Excellent (C1 equivalent) Excellent (C1 equivalent) Good (B2 equivalent)
<ul style="list-style-type: none"> • Reading skills • Writing skills • Verbal skills 	FRENCH (INTRODUCTION COURSE, 2018) Elementary (A1 equivalent) Elementary (A1 equivalent) Elementary (A1 equivalent)
GROUP SKILLS AND COMPETENCES	<p>ONGOING (2018-2019): (DUAL DEGREE ENGINEERING/MASTER THESIS) INTERDISCIPLINARY AND MULTICULTURAL WORK GROUP BETWEEN A PHYSICIST, MATHEMATICIAN STUDENTS AND CIVIL ENGINEERS FROM UNIVERSITY OF CHILE WITH INTERNATIONAL COLLABORATION.</p> <p>TITLE PROJECT: NUMERICAL STUDIES OF A HOMOGENIZED BONE MODEL</p> <p>SUMMER (2018): WORKING GROUP FOCUSED IN CIVIL ENGINEERING, MULTICULTURAL AND INTERDISCIPLINARY ENVIRONMENT AT INSTITUTE OF MEDICAL ENGINEERING, PONTIFICIAL CATHOLIC UNIVERSITY OF CHILE.</p> <p>SUMMER (2017): WORKING GROUP IN MACHINE LEARNING AT CMM – U. OF CHILE. IN A MULTICULTURAL ENVIRONMENT.</p> <p>SUMMER (2016): WORKING GROUP FOCUSED IN BIOSTATISTIC, INTERDISCIPLINARY ENVIRONMENT, IN MEDICINE FACULTY OF UNIVERSITY OF CHILE.</p> <p>HIGH-SCHOOL (2013): MEMBER BOARD OF STUDENTS.</p> <p>SPORTS (2010-2012): DOWNHILL MOUNTAIN BIKING RIDER AND ORGANIZER.</p>
ORGANIZATIONAL SKILLS AND COMPETENCES	<p>SPRING 2018, AUXILIARY PROFESSOR AND ASSISTANT OF INVERSE PROBLEMS AND CONTROL PROBLEMS ON PDE's COURSE: IT REQUIRES ADMINISTRATION OF EXAMS, EXERCISE CLASSES AND PROJECTS DURING THE FULL ACADEMIC SEMESTER.</p> <p>AUTUMN 2018, AUXILIARY PROFESSOR AND ASSISTANT OF NUMERICAL METHODS IN PARTIAL DIFFERENTIAL EQUATIONS COURSE: IT REQUIRES ADMINISTRATION OF EXAMS, EXERCISE CLASSES AND PROJECTS DURING THE FULL ACADEMIC SEMESTER.</p> <p>AUTUMN 2016, ASSISTANT OF ADVANCED CALCULUS COURSE: REQUIRES REVISION AND EVALUATION OF EXAMS WITH OTHER MANAGEMENT ASSIGNATION OVER A FULL ACADEMIC SEMESTER.</p>
TECHNICAL SKILLS AND COMPETENCES	<p>Advance usage of Operating systems: Windows, Linux (Ubuntu, Debian)</p> <p>Programming Language skills:</p> <ul style="list-style-type: none"> - Basic Knowledge: R Language, C++, Solidity. - Intermediate Knowledge: Bash, Javascript, HTML, Offices Suites (Microsoft, LibreOffice). - Advance Knowledge: Matlab/Octave, Python, Latex, Jupyter-Notebooks
OTHER INTEREST AND COMPETENCES	<p>Main Interests: Bleeding-edge technologies, Internet of things Cultural Innovation, International Politics and Investment.</p> <p>Working-Hobbies: Naive Cryptocurrency Investor (in Lumens, Chilean Initiative "Chaucha", Ethereum)</p> <p>Involved in: Cryptocurrency Seminars, Python oriented Seminars and in science-related government seminars.</p>
SCHOLARSHIPS AND PRIZES	<p>Scholarship (2017) Weekend Pre-doctoral School at <i>Adolfo-Ibañez</i> University.</p> <p>Prize (2017): Highlighted Student form the Mathematic Department, FCFM, U. of Chile.</p> <p>Prize (2013): Best Student of 2013 at High-School, Mark 6.8/7.0</p>