

Manuel OLGUIN

PERSONAL INFO

SWEDISH ID | CHILEAN ID: 921223-4679 | 18.274.982-6
ADDRESS: Valdepeñas 462, Las Condes. RM, CHILE
PHONE: +56 9 7463 6997
EMAIL: molguin@dcc.uchile.cl - manuel@niclabs.cl
PERSONAL WEBSITE: <http://molguin92.github.io/>

EDUCATION

Current
JAN 2011 | Civil Eng. Degree in COMPUTER SCIENCE, **Universidad de Chile**, Santiago
Estimated completion date: July 2017.
B.Sc. Engineering, COMPUTER SCIENCE, **Universidad de Chile**, Santiago
Completion date: December 2016.

JAN-JUL 2015 | Exchange Semester at **KTH Royal Institute of Technology**, Stockholm

WORK EXPERIENCE

Current
JAN 2016 | Research Assistant, NIC CHILE RESEARCH LABS, Santiago
Intelligent Transport Systems
Employed as research assistant in the field of Intelligent Transport Systems, specifically in simulations of Car-to-Car Communication Networks in OMNeT++. Currently also writing a thesis on this topic.

Current
AUG 2016 | Developer, EPISTEMONIKOS FOUNDATION, Santiago
Software Engineering
Along with a group of classmates, as part of a mandatory course, worked as a software developer for Epistemonikos, a foundation with the mission of "bringing evidence closer to those making health decisions, through technology and innovation". Designed and deployed a number of in-house software solutions to optimize workflow and improve efficiency in the activities of the foundation (principally in the form of RESTful web services).

Current
AUG 2016 | Teaching Assistant, UNIVERSIDAD DE CHILE, Santiago
Algorithms and Data Structures
Undergraduate teaching assistant for the course *CC3001 - Algorithms and Data Structures*, taught by professor Jérémy Barbay.
Responsibilities included teaching a weekly class and assisting with the design of evaluations. Also, as part of an initiative by prof. Barbay to modernize the course, designed and implemented a new, automated system for evaluating student homework assignments.

AUG 2015 to
JAN 2016 | Developer, NIC CHILE RESEARCH LABS, Santiago
RESTful Web Services
Worked as a backend developer of RESTful webservices for mobile applications between august - december 2015. Among others, designed and deployed a microservice for image serving using Python, PostgreSQL and Redis.

JAN 2016 | Teaching Assistant, STANFORD HONORS ACADEMY, Santiago
Game Design, 6th and 7th grade.
Worked as a Teaching Assistant for the Game Design class at the Stanford Honors Academy, an initiative by Stanford University and Eduexplora, to bring American post-graduate students and teachers as tutors for advanced topics at a summer camp for promising middle- and high school students in their own home countries.

AUG 2013 to AUG 2016	<p>Teaching Assistant, UNIVERSIDAD DE CHILE, Santiago <i>Algorithms and Data Structures</i></p> <p>Worked as a teaching assistant for several different undergrad courses:</p> <ul style="list-style-type: none"> • Introduction to Programming – MAR - JUL 2016 • Algorithms and Data Structures – AUG - DEC 2015 • Computer Graphics, Visualization and Modeling – AUG 2013 - DEC 2014 • Software Development for LEGO Robots – MAR - JUL 2014
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EXTRACURRICULAR ACTIVITIES & MISC.

<i>Current</i>	<p>Dancer, Member of the Directive Board, BEAUCHEF EN MOVIMIENTO <i>Universidad de Chile, Santiago</i></p> <p>Member of BEM - BEAUCHEF EN MOVIMIENTO, U. de Chile's engineering faculty's dance and bodily expression society.</p>
<i>Current</i> 2014	<p>Member of the Directive Board, BEAUCHEF INTERNATIONAL COMMUNITY <i>Universidad de Chile, Santiago</i></p> <p>Member of the directive board of CIB - COMUNIDAD INTERNACIONAL BEAUCHEF, U. de Chile's Engineering Faculty's international community.</p>
<i>Current</i> 2013	<p>Developer and Founding Member, DEPACHI <i>Desarrollando Para Chile, Santiago</i></p> <p>DEPACHI is an independent, non-profit, student initiative with the goal of putting computer science and engineering at the service of society and social equality. Participated as a founding member along with other students from Universidad de Chile, and designed and developed DEPACHI's most ambitious project: Project OJO. The project was also a finalist in 2015's version of the TUAPP contest, an international contest backed by MICROSOFT to award innovative solutions to concrete problems in South America.</p>
FEB 2015 to JUN 2015	<p>Dancer, Public Relations and Advertising, SOCIAL DANCE @ KI <i>Medicinska Föreningen, Stockholm</i></p> <p>Participated as a member of the organizing team for SOCIAL DANCE @ KAROLINSKA INSTITUTET, spring 2015.</p>
2013-2015	<p>Bike Mechanic and Mountainbiker, PEDALEA! BEAUCHEF <i>Universidad de Chile, Santiago</i></p> <p>Member of PEDALEA! BEAUCHEF, U. de Chile's engineering faculty's cyclist society.</p>
AUG 2013 to NOV 2013	<p>Volunteer Teacher, PREUNIVERSITARIO LA PINCOYA <i>Spanish Language</i></p> <p>Volunteered as a spanish language teacher for children from a impoverished and vulnerable sector of Santiago for one semester.</p>
2009-2012	<p>Taekwondo, ATA MARTIAL ARTS <i>1st Degree Black Belt</i></p> <p>Trained and competed in ATA Taekwondo.</p>

LANGUAGES

SPANISH:	Mother tongue
ENGLISH:	Fluent
SWEDISH:	Fluent
PORTUGUESE:	Basic Knowledge