

## Tamara Aranguiz (She/Her/Ella)

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<https://taranguiz.github.io>

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### EDUCATION

<b>2020/09 - Present</b>	<b>University of Washington</b> , Seattle, United States of America. Ph.D. Student Department of Earth and Space Sciences.
<b>2012/03 – 2018/03</b>	<b>University of Chile</b> , Santiago, Chile. Professional Degree, Geologist.
<b>2012/03 – 2016/03</b>	<b>University of Chile</b> , Santiago, Chile. Bachelor of Science in Geology.
<b>2016/08 - 2016/12</b>	<b>Universidade de São Paulo</b> , São Paulo, Brasil. Academic Exchange in Geosciences.

### RESEARCH EXPERIENCE

<b>2020/09-Present</b>	<b>University of Washington, Department of Earth and Space Sciences, Seattle</b> , WA, United States. <i>Research Student in Tectonic Geomorphology group</i> . Advisor: Alison Duvall. <i>Research Student in Geodesy Group</i> . Advisor: Brendan Crowell.
<b>2017/03 – 2018/01</b>	<b>University of Chile</b> , Santiago, Chile. Professional Degree Thesis. <i>"Historiographic evolution of Santiago's exposure to the seismic hazard of the San Ramon Fault and its possible relation with the earthquake of May 13 1647"</i> . Advisor: Gabriel Easton.
<b>2016/01</b>	<b>University of Chile</b> , Santiago, Chile. Internship I. Tectono-morphological analysis. Research Support for the M.S Thesis of Jose Estay. Advisor: Luisa Pinto.
<b>2015/08 – 2016/01</b>	<b>University of Chile</b> , Santiago, Chile. Project I. <i>"Scarps quantification of San Ramón Fault using high resolution DEM."</i> Advisor: Gabriel Easton.

### TEACHING EXPERIENCE

<b>2022/01-2022/06</b>	<b>CoCo: Code to Communicate</b> , NSF - bilingual project for graduate Latin and Hispanic students. Python trainer.
<b>2018/01</b>	<b>Faculty of Physical and Mathematical Sciences</b> , University of Chile. Summer School. Geology II: Deciphering the keys of the Geological Landscape. Geology I: The Force of Volcanoes.
<b>2014/08-2017/12</b>	<b>Faculty of Physical and Mathematical Sciences</b> , University of Chile. Geology of Chile (1 time); General Geology (4 times); Probability and Statistics (1 time); Physical Chemistry (2 times).
<b>2017/04-2017/07</b>	<b>Pontifical Catholic University of Chile</b> . PACE Program. Teacher Assistant Geological Catastrophes. Elective course for high school vulnerable students.

### FIELDWORK EXPERIENCE

<b>2021/05 – 2021/06</b>	<b>Oregon State University</b> , College of Earth, Ocean and Atmospheric Sciences, Corvallis, OR, US. Cascadia 2021 Onshore Field Team member.
<b>2018/01 – 2020/08</b>	<b>Xterrae Geologia. Chile</b> . Several campaigns (>20) along the Chilean territory. Focus on natural hazards, quaternary mapping, and engineering geology.
<b>2015- 2017</b>	<b>University of Chile</b> . Fieldwork for degree (>50 cumulative days) along Chile.
<b>2016/01</b>	<b>University of Chile</b> . 10 days fieldwork assistant in Central Andes, Putaendo, Chile. Looking for Neogene fault activity associated with the Pocuro Fault.
<b>2016/09</b>	<b>University of Sao Paulo</b> . 7 days fieldwork in Parana Basin, Brasil.

### PROFESSIONAL EXPERIENCE

<b>2018/01- 2020/08</b>	<b>Xterrae Geologia</b> , Santiago, Chile. <i>Project Geologist</i> . Natural hazards, hydrology, geology and risk applied to urban planning.
<b>2013/04-2018/12</b>	<b>Lospleimovil Theater</b> , Santiago, Chile. <i>Actress and Teacher</i> . Shows, events, classes, and training. Participation in national and international festivals.
<b>2017/01-2017/03</b>	<b>Xterrae Geologia</b> , Santiago, Chile. <i>Project Geologist</i> . Risk studies. <i>Internship II</i> .

## CONFERENCES

<b>March 2022</b>	<b>Structure and Deformation at Plate Boundaries</b> , Honolulu Hawaii, USA. - <i>"Unraveling surface deformation rates during the interseismic period in Salar Grande Fault, Northern Chile"</i> . NSF GeoPRISMS workshop, workshop attendant and poster presenter.
<b>Dec 2021</b>	<b>AGU Fall Meeting 2021</b> , New Orleans, Louisiana, USA. - <i>"Near-fault Deformation Analysis from Geomorphic Expression and GNSS Modeling Along the Salar Grande Area, Northern Chile"</i> (Aranguiz, Duvall and Crowell). Poster. - <i>The remote analysis war: GPS vs Geomorph in Atacama Desert. Ignite talk AGU.</i>
<b>Nov 2018</b>	<b>XV Geological Chilean Congress</b> . Concepción, Chile. Poster exhibitor. - <i>"The Great Earthquake of Santiago of May 13, 1647, can a cortical source associated with the San Ramón Fault be ruled out?"</i> . (Aranguiz, et al.). - <i>"The geologist and risk evaluation: when you have to be the villain"</i> . (Rauld et al.) - <i>"Teaching innovation in Geology of Chile course at University of Chile"</i> . (Pinto et al.)
<b>October 2017</b>	<b>Geological Society of America 2017 Annual Meeting</b> . Seattle, Washington, USA. - <i>"Tectonic evolution and geological history of the Colina and Volcán river valleys in the high Andes of Santiago, Chile"</i> . (Aranguiz, Olivares, Kotthoff, et al.) Poster for Best Student Geologic Map Competition.

## HONORS, AWARDS & FELLOWSHIPS

<b>2020-present</b>	<b>Fulbright BIO- PhD Scholarship</b> . 4- years full funding PhD Scholarship.
<b>2020-present</b>	<b>Graduate Student Fellowship, University of Washington, Seattle USA</b> . Top-off funding for stipend and tuition waiver.
<b>2021/08</b>	<b>Waaime US Graduate Student Fellowship</b> . Economical support stipend.
<b>2021/04</b>	<b>Earth and Space Sciences Research Gala Award, University of Washington</b> .
<b>2012-2018</b>	<b>Excellence Academic Scholarship of the University of Chile</b> . 6-years full funding Bachelor and Professional degree.
<b>2012-2018</b>	<b>Junaeb, BMES</b> . <i>Chilean Government fellowship for food and school materials</i> .
<b>2017</b>	<b>Waaime Scholarship</b> . Monthly fellowship.
<b>2013-2017</b>	<b>Honor Student at the University of Chile</b> . Annual honor list of the FCFM.

## CERTIFICATES

<b>2021/06</b>	<b>Earth Surface Processes Institute (ESPIIn) 2021</b> , Certificate of Completion 8-day intensive Modeling Summer Institute, Community Surface Dynamics Modeling System (CSDMS).
<b>2020/08</b>	<b>First Aid/CPR</b>

## SKILLS

<b>Scientific Computing</b>	Python, MATLAB, ArcGIS, Git/GitHub, Bash.
<b>Languages</b>	Spanish, English, Portuguese.

## MEMBERSHIPS & COMMUNITY ENGAGEMENT

<b>Sep 2021-Present</b>	<b>College of Environment DEI committee</b> . Representative of the Earth and Space Sciences Department of the University of Washington.
<b>2021-Present</b>	<b>Geolatinas</b> . Member of Chilean Group and creator of Pacific Northwest channel.
<b>2021-Present</b>	<b>Climbers of Color</b> . Member and Scholarship recipient. <a href="http://www.climbersofcolor.org">www.climbersofcolor.org</a>
<b>2018-Present</b>	<b>The Women's Auxiliary to the American Institute of Mining, Metallurgical, and Petroleum Engineers (Waaime) Chile section</b> .
<b>2017-2018</b>	<b>Geosciences for Public Policies (GPP)</b> . Member. Organized group of the University of Chile.