

# ISABELLA VILLANUEVA-GARCÍA

Civil Engineer, specialized Hydraulic, Sanitation and Environment

✉ isabella.villanueva@ug.uchile.cl

☎ +56 9 7426 4079

🌐 in/in/isabella-villanueva

📍 Santiago, Chile

Civil Engineer specialized in Hydraulic, Sanitation and Environment of the University of Chile, graduated with maximum distinction. I am interest about climate change challenge, specially in adaptation and water resources availability. I have develop in consulting and leading youth teams in CEUS Chile NGO.

My university studies years, led students initiatives and my develop in organizations apart of the university, let me highlight as an involved and responsible person, proactive, with a big interest in teamwork and high leadership capacity.

## EDUCACIÓN

Civil Engineering - Hydraulic, Sanitation and Environment

University of Chile

📅 2013 - 2019

📍 Santiago

Thesis title: Prefeasibility study of an Anaerobic Membrane Bioreactor for Hydrogen generation in winery wastewater - Concha y Toro Case

Bachelor of Science

University of Chile

📅 2012

📍 Santiago

Pre, Basic and High School

Santo Tomás School

📅 1999 - 2011

📍 La Serena

## TEACHING

Teacher

Youth National Institute

📅 april - may and july 2020

📍 Santiago

- Leadership as employment tool

Assistant Professor

University of Chile

📅 08/2016 - 12/2019

📍 Santiago

- Physical Chemistry
- Environmental Engineering

Assistant

University of Chile

📅 08/2015 - 12/2018

📍 Santiago

Highlighted courses:

- Isostatic Structures Analysis
- Environmental Engineering
- Water Treatment Process

## LANGUAGES

Spanish



English



## AWARDS



Young Leaders Programme, European Development Days

Selected of 2020 version



Young Global Changers, Global Solutions Initiative

Class of 2020



National Environment Award 2017, Recyclápolis Foundation

Category New Sustainable Generations Winner



100 Young Leaders 2017, Sábado Magazine by El Mercurio

Winner

## SKILLS

Leadership



Teamwork



Effective Communication



Proactive



Preparation of Reports



## INTERESTS AND ACTIVITIES

Sustainability

Climate Change

Water Management

Energetic Transition

Environmental Law and Regulation

Teaching

Reading

Climbing

Tennis

## WORK EXPERIENCE

President

**CEUS Chile NGO**

📅 2018 - 2020

📍 Santiago

Organization that bring together young people from all over the country around sustainability.

Internship ACCIONA ACADEMY

**ACCIONA**

📅 january 2020

📍 Santiago

- Develop of a practice case in Energy Area.

Junior Researcher

**University of Chile**

📅 march - december 2019

📍 Santiago

- Project "Develop of a Methodology for Measure Plastic Footprint of Aguas Andinas S.A."

Budget and Finances Coordinator

**15th Conference of Youth, UNFCCC**

📅 may - december 2019

📍 Santiago-Madrid

- Responsible for budgeting and finding sponsors or funders for the youth constituency event of the United Nations Framework Convention on Climate Change

Project Engineer

**AKROS**

📅 march - september 2019

📍 Santiago

- Support in heat pump design
- Elaboration of a calculus system for cubage of aerated and sedimentation lagoons for slopping terrains
- Support in estimation water rate, period 2020-2025

Internship in Projects Vice-presidency

**CODELCO**

📅 january - february 2018

📍 Rancagua

- Evaluation of a drain system, treatment groundwater and evaluation of geomechanical rock for the "Nuevo Nivel Mina" from "El Teniente" Mine

Intern in supply and logistics area

**INCOLUR S.A.**

📅 january 2017

📍 Santiago

- Develop a system for information process in logistic area

## COURSES

Climate Reality Leadership Corps training

**Climate Reality Project**

📅 july 2020

Design Thinking

**Instituto Europeo de Posgrado**

📅 june - july 2020

Promoting and Protecting Human Rights: a Global Overview

**Global Campus of Human Rights**

📅 june - july 2020

Communicate Climate Change Effectively: Latin America Perspective

**Climate and Development Knowledge Network**

📅 april - may 2020

Climate Change Course

**Open University, University of Chile y Center for Climate and Resilience Research (CR)2**

📅 march - april 2020

Sustainable Development Goals Course

**Fundación para el Desarrollo Social**

📅 march - july 2018

## COMPUTATIONAL SKILLS

Advanced



Excel

PowerPoint

HEC-RAS

Good



QGIS

Phreeqc

AutoCAD

Bizagi Modeler

Google Earth Engine

Atlas

Medium



Python

Matlab

Geostudio

R

## REFERENCES

**MSc. Javier Nannig**

CEO of AKROS Ingeniería LTDA

nannig@akros.cl

**PhD. Ana Lucía Prieto**

Assistant Professor in Civil Engineering Department, University of Chile

ana.prieto@uchile.cl