Florencia Miranda Icaza

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Education

2014- | COMPUTER SCIENCE ENGINEERING *UNIVERSIDAD DE CHILE*
- Program duration: six years.
- Expected graduation year 2019.

2010-2013 | HIGHSCHOOL *COLEGIO INSTITUCIÓN TERESIANA*

Employment history

JANUARY 2017 | INTERNSHIP | NGO INNOVACIEN WWW.INNOVACIEN.ORG
- Developed a web application to help the NGO coordinate its organizational processes. Frameworks used: CodeIgniter, PHP, HTML, CSS.

Teaching activities

FIRST SEMESTER 2016, 2017 | TEACHING ASSISTANT | UNIVIERSIDAD DE CHILE
HERRAMIENTAS COMPUTACIONALES PARA INGENIERÍA Y CIENCIAS:
- Hands-on course where first year engineering students learn to use tools like Matlab and Maple. My responsibilities included answering student questions during class, marking student assignments.

SECOND SEMESTER 2016| TEACHING ASSISTANT | UNIVERSIDAD DE CHILE
INTRODUCCIÓN A LA PROGRAMACIÓN:
- An Introductory programming course taken by first year engineering students. My responsibilities included preparing and holding practical sessions, marking assignments and midterms. Language used: Python.

EXTRACURRICULAR ACTIVITIES
2016-2017| VOLUNTEER TEACHER | NGO INNOVACIEN
- *Jóvenes on!* : the goal of this event was to help both primary and high school students develop entrepreneurship and programming skills..
- *"Con fuerza de mujer" (empowering women)*: an "hour of code" specifically for women, looking to empower them to become entrepreneurs.
- *Ingeniosas 2017, Science and Technology for all*: this initiative was organized by Girls in Tech Chile and "Comunidad de Mujer" to promote the participation of girls in science, math, engineering and technology.

Here I helped teach a Visual Studio programming workshop for 40 girls in elementary school.

2016- | VOLUNTEER TEACHER | CHICAS (PRO)GRAMADORAS

· Java programming workshop for high school girls, which tries to improve the participation of girls in computer science, as well as prepare them for programming competitions like the Chilean Informatics Olympiad (OCI in Spanish)

2017 | SUSTAINABILITY DELEGATE | COMPUTER SCIENCE UNDERGRADUATE STUDENT COUNCIL

· My job is to lead student initiatives to make the Computer Science Department more sustainable. I started with a campaign to generate awareness about recycling, and I am now seeking to understand how to make engineering and computer science more sustainable.

2015- |OIKOS "POR UN CAMPUS SUSTENTABLE"

· I'm part of an organized student group that works towards making the University of Chile's engineering campus a sustainable campus. We have focused on making students, faculty and administrative staff more aware of their surroundings and current environmental crises. To achieve our goal, we organize weekly talks and discussions on campus.

2014- |TREASURER AND VOLUNTEER TEACHER | APOYO ESCOLAR

· Student group that organizes mathematics workshops at public schools located near the engineering campus of the University of Chile. The goal is to motivate children to learn mathematics by applying innovative learning strategies.

2014- |DRUM PLAYER AND ORGANIZER | MACUMBA BATUCADA:

· Organized group dedicated to the study of Brazilian batucada rhythms. This group started during the Chilean student protests of 2011. Today, drums are played to support different types of social protests, like those in support of women's rights, better access to healthcare, etc.

Skills

Languages
· Java (proficient)
· C (basic)
· Php (proficient)
· Python (basic)
· Matlab (proficient)

- Racket (basic)

Web development
- Django (basic)
- CodeIgniter framework (proficient)

Languages

SPANISH (NATIVE)
ENGLISH (FLUENT)
FRENCH (FLUENT)