María Catalina Castro Arias

🌐 https://github.com/catalinacst

Education

Universidad Tecnológica de Pereira   **Risaralda - Colombia**
Ingeniería de Sistemas y Computación,   *2014 – present*
Expected graduation: December 2020

Work Experience

Delphi Analytics   **Risaralda - Colombia**
Software Engineering Intern   *2019 – present*
Developing in a wide variety of projects using natural language processing, data compression, machine learning and search technologies.

- Construction of platforms based on audio transcription and text extraction using different services such as Speech-to-Text Google Cloud and Optical Character Recognition (OCR) developing advanced search technologies for **Congress of the Republic of Colombia**

Web Developer   **Risaralda - Colombia**
Universidad Tecnológica de Pereira, www.utp.edu.co   *2016 – 2019*
Part-time job as web developer in the section of computer and educational resources (CRIE) administering the web pages of the University using HTML, CSS, PHP (Frameworks), JavaScript and Python
Detailed achievements:

- Development module for Petition Rights
- Development of the academic programs section of the University

Teacher Assistant at the Programming Courses   **Risaralda - Colombia**
Universidad Tecnológica de Pereira   *2014 – 2016*
Classes to improve student learning and skills.

- Functional Programming (Scheme)
- Imperative Programming (C ++)

Achievements

- **Scholarship to Attend Latinity 2018,** Latin American Women in Technology, Bogotá, Colombia
- **Speaker at the Workshop** Arduino with Johnny-Five (JavaScript Robotics and IoT Platform) from the web using express, nodejs and socket.io at the Universidad Tecnológica de Pereira 2017
- **Speaker at the Workshop** Arduino with Johnny-Five (JavaScript Robotics and IoT Platform) at the Universidad de Caldas, Manizales 2017
- **First place,** VII Internal Programming Contest. Universidad Tecnológica de Pereira, Colombia. 2016

Complementary Studies

- **Assistance to Google Cloud Day - Google Cloud Platform: Bootcamp** Bogotá, Colombia. Introduction to Machine Learning with TensorFlow and Cloud ML Engine. 2018
- **Machine Learning Course**, Coursera, Stanford University - Andrew Ng. 2017
- **PHP Web and Database training**, Vive Digital, ViveLab Pereira 2015

Personal Projects and Interests

- Member of the **Joint Developer** research group, jointdevweb.firebaseapp.com
  - A community aimed to increases the women's interest for technology by generating spaces that promote their participation on this field.
  - Teaching through talks, workshops, study groups in universities and colleges.