



# Eng. CATALINA CARABAJAL

Web Developer

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<https://github.com/catwin94>

<https://catwin94.github.io>

## EDUCATION

### Nuclear Engineer - Jul 2018

Master - 8.25/10.00 (top 1%)  
Instituto Tecnológico Dan Beninson (IDB), Argentina

**Thesis:** Deterministic analysis of the RA-10 loop in presence of a LOFA in relation with different flywheels using the thermo-hydraulic simulation software RELAP.

Vice-President & Co-founder of the Student Center IDB

## SUMMER INTERNSHIPS

### CNEA – Argentina / Jan – Feb

- 2017 Internship at Constituyentes Atomic Center
  - 2016 Internship at Ezeiza Atomic Center
  - 2015 Internship at Bariloche Atomic Center
- Publication at XLII AATN.

## LANGUAGES

Spanish Native

English Advanced

French Beginner

I am an engineer who recently became in love with web development and started studying Front-End using ReactJS, JavaScript, TypeScript, HTML, CSS, SASS, etc. This, combined with my C++ and Python experience, could help me become a Full-Stack developer. I enjoyed learning about web development technologies a lot, and I feel very motivated to keep learning both Front-End and Back-End skills. I am currently looking for jobs in that area.

## WORK EXPERIENCE

### Researcher – C++ developer

Nov 2019 – Oct 2021

CEA - France

Development of advanced perturbation and sensitivity methods for Monte Carlo simulations.

### Internship – C++ developer

Sep 2018 – Mar 2019

CNRS - France

Fast neutron detection (10 keV up to 20 MeV) with MIMAC-FastN, a 3D nuclear recoil track detector studying nuclear reactions for neutron production:  ${}^9\text{Be}(d(1.5\text{ MeV}), n)$ ,  ${}^9\text{Be}(p(3.6\text{ MeV}), n)$  and  ${}^7\text{Li}(p(2.5\text{ eV}), n)$ .

## SKILLS

**Programming:** C++, JavaScript, TypeScript, Python



**Web development:** ReactJS, HTML5, CSS3, React Redux, SASS.



**Data Science:** Pandas, Numpy, Matplotlib



**Others:** Git, Unix, Tripoli-4, RELAP, Autodesk-AutoCAD 2D, MCNP-Los Alamos National Lab, MatLab, Mathcad PTC, GammaVision (Gamma Spectroscopy)

## COURSES

- Frontend Developer / Platzi
- Basic Javascript / Platzi
- Modern Javascript Definitive Guide / Udemy
- React.js practice course / Plazi
- Frameworks and Librerias of JavaScript / Plazi
- Python Introductory course / IEEE - ITBA
- Data Analysis / IEEE - ITBA

## PORTFOLIO

### Movie Website

Movie fun is a website application where you can find information about the movie, episode or series that you want.

[https://github.com/catwin94/movie\\_website](https://github.com/catwin94/movie_website)

[https://catwin94.github.io/movie\\_website/](https://catwin94.github.io/movie_website/)

React JS

TypeScript

React Redux

Route

### E-Commerce

E-commerce is a learning platform with courses of diverse topics to expand your knowledge on the topic that most interest you.

<https://github.com/catwin94/e-commerce>

<https://catwin94.github.io/e-commerce/>

React JS

JavaScript

React Redux

Route

### Stone-paper-scissor

My first basic project combining JS, HTML and CSS.

<https://github.com/catwin94/stone-paper-scissor>

<https://catwin94.github.io/stone-paper-scissor/>

JavaScript

HTML5

CSS3