



Eng. CATALINA CARABAJAL

Web Developer

cata.carabajal@gmail.com

<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: ${}^9\text{Be}(\text{d } (1.5 \text{ MeV}), \text{n})$, ${}^9\text{Be}(\text{p } (3.6 \text{ MeV}), \text{n})$ and ${}^7\text{Li}(\text{p } (2.5 \text{ eV}), \text{n})$.

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://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