



Jahziel Oswaldo Cabrera Arellano

Full Stack Developer

Physicist, Robotics Enthusiast, and Web Developer. I build and optimize user-focused websites and applications. In my spare time, I help people to learn mathematics, physics, and programming. My next objectives are to become a Senior Full Stack Developer and generate digital content to share my knowledge with other people.

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EDUCATION

Universidad Veracruzana

2015-

B.S in Physics

Coursework: Scientific Programming, Calculus, Differential Equations, Linear Algebra, Classical Mechanics, Quantum Mechanics, Tensors Calculus, Intro to Data Science and Machine Learning, CFD in Python.

WORK EXPERIENCE

Freelance Projects

Ago 2021 - Present

Web Development

- + Full Stack Development of a ERP Software for Local Company.
- + Request requirements and negotiate features with the clients.
- + Start new projects for national companies from zero to MVP.

Grupo Letter Press

Dic 2020 - Jul 2021

Web Development/Marketing

- + Design, implement and deploy landing pages and websites.
- + Create and Manage Facebook Ads Campaigns.
- + Create and Manage Google Ads Campaigns.

EnjooyMX (Entrepreneurship)

Jul 2020 - Dic 2020

Restaurant Management Software

- + Develop Full Stack Web Application.
- + Payments and Subscriptions processing with Stripe.
- + 30+ users registrations.

Student Researcher Assistant

Jan 2020 - Jul 2020

Robot simulations with ROS/Gazebo

- + Generate Robot Simulations in Gazebo with ROS.
- + Write Algorithms for Robots Navigation.
- + Write Kalman Filter Algorithms in Python.

AWARDS AND ACHIEVEMENTS

Día del Inventor Mexicano 2021

Feb 2021

Oficina de Transferencia de Tecnología UV

Acknowledgment by patent "Dispositivo de control háptico de fuerza para el análisis y mejora en el entrenamiento de nadadores" (MX/a/2019/015083)

Datatón Anticorrupción 2019

Dic 2019

Secretaría Ejecutiva del Sistema Nacional Anticorrupción

We analyze more than 360K public contracts of Mexican Government and develop algorithms to find anomalous relationships.

Data Challenge Industrial 2019

Oct 2019

Centro de Investigación en Inteligencia Artificial UV

Analyze the production of Plastic Bags for Local Company and Develop algorithms to reduce the waste.

SKILLS

HTML CSS JavaScript NodeJS Python NPM
MongoDB ReactJS React Native Git/Github
TypeScript Express Linux NGINX Django
Sequelize Mongoose PostgreSQL SQL C++
Selenium SciPy Numpy Matplotlib

PROJECTS

Restaurant Management Software

2020

+ Application for restaurants management that processes payments and subscriptions with stripe. More than 30 user registrations.

Virtual Fitting Room

2020

+ Virtual clothing fitting room app with augmented reality. Developed with NodeJS and ml5.js to detect people and adjust clothes according to the person's pose and position.

Newspaper Web Scraper

2020

+ ETL process to get daily news from two newspapers using python and BeautifulSoup.

SOFT SKILLS

- Problem Solving
- Critical Thinking
- Communication
- Autodidact
- Empathy
- Team Leadership
- Public Speaking
- Curiosity

LANGUAGES

Spanish

Native or Bilingual Proficiency

English

Limited Working Proficiency

INTERESTS

- Robotics
- Artificial Intelligence
- Blockchain
- Web 3.0
- Internet of Things
- Robot Operating System (ROS)
- Sports Science
- Quantum Computing