Jahziel Oswaldo Cabrera Arellano

Full Stack Developer

Physicist, Robotics Enthusiast and Web Developer. I build and optimize user-focused websites and applications. In my free time I help people to learn mathematics, physics and programming. My next objectives are to become a Senior 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, Diferential 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 Campaings.
+ Create and Manage Google Ads Campaings.

EnjooyMX (Entrepreneurship)   *Jul 2020 - Dic 2020*
Restaurant Management Software

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

Student Researcher Assistant   *Jan 2020 - Jul 2020*
Robot simulations with ROS/Gazebo

+ Generate Robot Simlulations in Gazebo with ROS.
+ Write Algoritms for Robots Navigation.
+ Write Kalman Filter Algoritms 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*
Secretaria Ejecutiva del Sistema Nacional Anticorrupción

We analize more than 360K public contracts of Mexican Goverment and develope algoritms to find anomalous relationships.

Data Challenge Industrial 2019   *Oct 2019*
Centro de Investigación en Inteligencia Artificial UV

Analize the production of Plastic Bags for Local Company and Develop algoritms to reduce the loss.

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*
+ Web app for restaurant management that processes payments and suscriptions with stripe. More than 30 registered users.

Virtual Fitting Room   *2020*
+ Virtual reality fitting room app using ml5.js for pose detection. Clothing fit to person based on their pose and position.

Newspaper Web Scrapper   *2020*
+ ETL process to get daily news from two newspapers using python and BeautifulSoup.

SOFT SKILLS

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

LANGUAGES

Spanish
Native or Bilingual Profiency

English
Limited Working Profiency

INTERESTS

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