



JUAN ARANGO

21 YEARS FULL STACK DEVELOPER AND
MECHATRONIC ENGINEER

PROFILE INFO

As a 10th semester Mechatronic Engineer and experienced software developer, I bring a unique blend of skills in hardware and software design, as well as a passion for AI development. With a focus on collaboration and teamwork, I have successfully delivered innovative solutions in computer vision, robotics, and network protocols. Additionally, my experience in Flutter, Laravel, and React for multiplatform applications demonstrates my ability to create user-friendly and efficient software while working in a team environment. I possess strong leadership, problem solving and adaptability skills, enabling me to effectively communicate and work with people from diverse backgrounds.



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MY SKILLS

PERSONAL SKILLS

- AI and Machine learning development
- Web Development
- Mobile development
- Software Development
- Robotic design
- CAD design
- Computer vision
- IT engineering
- Computer Vision
- Game development
- Automation design

LANGUAGE SKILLS

English (TOEFL C1) 100%

Spanish 100%

PROGRAMMING SKILLS

React.js 80%

Laravel 70%

Flutter 80%

React Native 60%

WORK EXPERIENCE

JUN 2023

MIAMI - REMOTE

FREELANCE TV & MOBILE DEVELOPER AT FACTORYTV

- Developed a live streaming application using Flutter and Strapi.js, integrating third-party services for content retrieval, creating a user-friendly interface for TV and mobile platforms.
- Implemented front-end and back-end functionalities, including data handling and real-time updates, leveraging Flutter's widget library and Dart programming.
- Collaborated with Miami Signature Design as a freelance developer, delivering a high-quality streaming application, showcasing my ability to work in a team and meet client requirements.

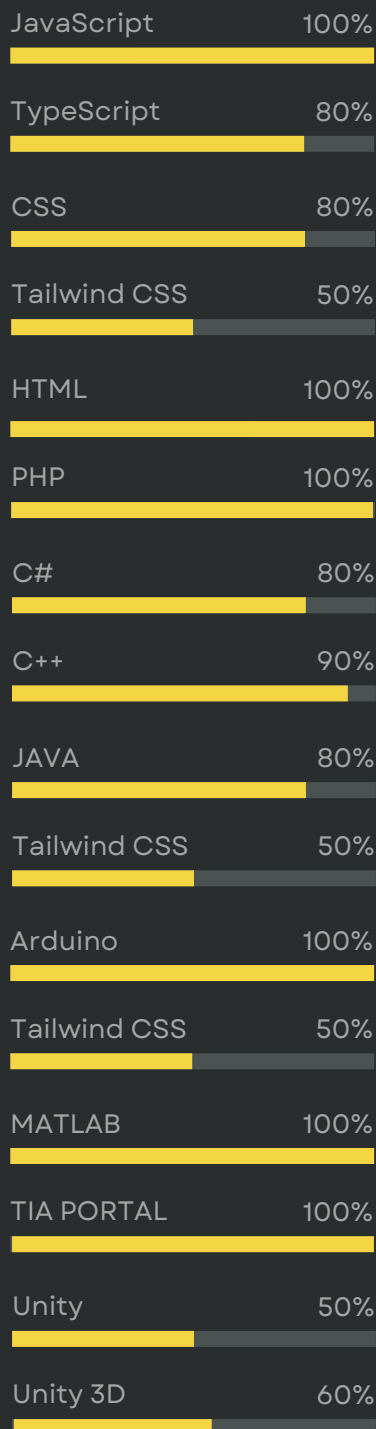
MAY 2023

JUN 2023

MIAMI - REMOTE

FREELANCE MOBILE DEVELOPER AT PROJECT TRADING

- Designed and developed a robust API using the Strapi CMS, ensuring seamless integration and efficient data management.



MORE ABOUT ME

As a technology enthusiast with a great passion for innovation, I am dedicated to utilizing cutting-edge technology to tackle real-world problems efficiently and creatively. My interests revolve around the fields of Robotics, AI and Machine Learning, and I'm also proficient in Full Stack Software Development across multiple programming languages.

- Leveraged my expertise in relational databases to perform in-depth analysis and design optimized data collections and fields.
- Implemented advanced querying methods and optimized data flow, enabling smooth communication between the application and the API.
- Seamlessly connected the back end with the front end, ensuring a seamless user experience and synchronized functionality.
- Went beyond my core responsibilities by actively contributing to UI/UX analysis and improving various screens in the front end for Miami Signature Design.

FEB 2023
APR 2023
SPAIN - REMOTE

FREELANCE MOBILE DEVELOPER AT DELIVERGOO

- Flutter & Laravel multiplatform application development.
- Gained extensive comprehension in eloquent queries, dart and blade file programming, mobile deploy procedure, PHP and JS data handling to frontend, google maps and firebase notifications implementation.
- Defined and implemented reusable backend models and frontend components in Flutter and Laravel to improve code quality, consistency, and efficiency across multiple projects.

MAR 2023
SPAIN - REMOTE

FREELANCE WEB DEVELOPER AT RUBI5.COM

- Wordpress plugin development.
- Demonstrated proficiency in full-stack development, utilizing PHP, JS, HTML, and CSS to manage data flow and create an intuitive user interface for the WordPress site's shopping cart.

Collaboration and teamwork are integral to my work philosophy, and I thrive on learning from and sharing knowledge with others. With an open mind and a willingness to learn, I approach every project with a deep commitment to delivering outstanding results.

Ultimately, my passion for cross-cultural communication and language learning allows me to build strong relationships and create effective solutions that cater to people from diverse backgrounds and perspectives.

ADDITIONAL COURSES

- Udemy: Neil Commings - Complete guide to building an app with .Net Core and React
- Udemy: Hector Costa Guzman - Python master course from zero to experienced programmer
- Udemy: Harsha Vardhan - Complete react | eCommerce | Hooks | Redux
- Udemy: Online Japanese language school - Online Japanese N5 course
- Udemy: Marina Marina - Russian course for spanish speakers "Matryoshka 1

FEB 2023
MAR 2023
SPAIN - REMOTE

FREELANCE WEB DEVELOPER AT DETALLEPROMOCIONAL.COM

- Wordpress plugin development.
- Identified and resolved errors in a WordPress plugin related to product variation handling and importation from Makito, ensuring a seamless user experience.
- Designed and implemented custom styles and sections to enhance the plugin's user interface and improve usability for customers.
- Collaborated closely with team members to identify and resolve coding issues and improve overall plugin functionality.

DEC 2022
FEB 2022
NORWALK - CT
REMOTE

DIGITAL DENTAL DESIGN HELPER AT ALPHA DIGITAL DENTISTRY

- Leveraged cutting-edge technologies, including milling devices, 3D printers, and scanning tools, to design and produce custom dental implants such as screw-retained and anatomic-retained crowns, wax-ups, nightguards, and more.
- Maintained a keen attention to detail, ensuring the integrity of each restoration by taking responsibility for the design and massive supply of custom product shipping materials.
- Collaborated closely with dentists and other healthcare professionals to ensure that each patient received the best possible outcome and highest level of care.
- Stayed up-to-date with the latest trends and best practices in digital dentistry to continuously improve the quality and precision of each dental implant.

APR 2022
MAY 2022
BOGOTA- REMOTE

WEB DESIGNER AT VERTCLAIR S.A.S

- Full website design with WIX CMS of <https://www.vc-sas.com>, showcasing the company's brand and services to customers through a professional and visually appealing interface.

**MAY 2021
DEC 2022**
BOGOTA- HYBRID

TECHNICAL SUPPORT SPECIALIST AT ADVANCE TECHNOLOGY GROUP

- Provided top-tier technical support to clients, specializing in complex problem-solving related to VPN and database issues.
- Created detailed case reports and updated manuals to improve the efficiency and effectiveness of the Technical Support team.
- Facilitated the onboarding and training of new team members to ensure they were equipped to handle technical support inquiries.
- Analyzed technical data to identify patterns and improve company software, actively contributing to the development of future updates.
- Proactively followed up on resolved cases to verify that proposed solutions were effective and meet client needs.
- Demonstrated a deep understanding of backend architecture and .NET usage to provide superior technical support and contribute to ongoing product development.

MY EDUCATION

**FEB 2019
ON GOING**
BOGOTA ON SITE

BACHELOR'S DEGREE IN MECHATRONIC ENGINEERING AT NUEVA GRANADA UNIVERSITY

Specialized coursework in Robotic Design, Web Development, Computer Vision, and Control Systems.

ACHIEVEMENTS & SKILLS:

- Proficient in web development, with experience in both frontend and backend technologies.
- Proficient in CAD design software

- Proficient in Robotics Design, with experience in designing and building 2 and 3 DOF Scara Robots and a 3 DOF Antropomorphic Robot. Successfully integrated user interfaces for both robots, capable of calculating and simulating Direct, Inverse, Differential Kinematics, and trajectory planning.
- Also proficient in Mobile Robot remote control and restrictive path planning.
- Skilled in web development frontend/backend with a strong understanding of Computer Vision. Successfully developed a program for center of mass recognition through images, and for speed and acceleration monitoring from videos.
- Knowledgeable in Adaptive Control Design and classical control design, Communication Architecture and protocols.
- Achieved RCNN for object recognition, Genetical AI for trajectory planning and SVM for flower species recognition.
- Replicated a full working beer factory and automated drawing with antropomorphic robot.

NOV 2018
BOGOTA ON SITE

HIGH SCHOOL DIPLOMA AT MGCA AMERICAN SCHOOL

- Graduated with advanced english level