

Juan Alejandro Contreras

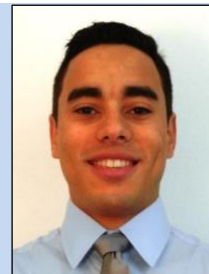
MATLAB Programmer
Web/Mobile App Developer

30 years old

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PROFESSIONAL SUMMARY

Engineering graduate that has solid experience with computer programming languages. Skilled at converting concepts and ideas into a functioning prototype and improve it until it becomes the desired application. Patient, attentive to details and open to feedback and constructive criticism from others. Actively keeping myself informed and up to date with the latest available technology to developers.

WORK EXPERIENCE

July 2017 – Present: San Juan, Puerto Rico

Freelancer - Web/Mobile App Development

- Created a grocery app that allows users to track what they buy in the supermarket with their chosen recipes
- Programmed the app for Android and iOS using Flutter

March 2015 – March 2017: Valencia, Spain

Research assistant - **CMT Motores Térmicos** (Research and Technical Development Centre)

- Implemented a mechanical losses model for a real-time engine simulation platform written in C++ and using Git as version control system.
- Optimized a thermal balance analysis tool written in MATLAB.
- Measured and acquired data from engine test bench.

April 2014 – September 2014: Paris, France

Intern - **Groupe PSA** (Research and Technical Development Centre)

- Improvement study of the design process of an engine Start / Stop ignition system using MATLAB / Simulink. The results of this study helped identify the criteria that will allow a successful engine starting under different conditions.

EDUCATION

2014: 2nd year of Master of Science in Automotive Engineering (Vehicle Design specialty),
École Nationale Supérieure de Techniques Avancées - ENSTA Bretagne, France

2013: 1st year of Master of Science in Automotive Engineering,
Czech Technical University - Prague, Czech Republic

2012: Bachelor of Science in Mechanical Engineering,
University of Puerto Rico: Mayagüez Campus

SKILLS

Technology:

Matlab/Simulink, Flutter & Dart, HTML, CSS, JavaScript, Angular, IONIC, Git version control system, Slack

Languages:

Spanish: Native | English: Bilingual | French: Professional Working

BASED ON THE ILR SCALE