

# Marco A Tipitto Cerruti

Dual citizenship: United States of America, Argentina

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**OBJECTIVE** To design, modify and improve IT systems that make for superior user experiences and improved business productivity.

## EXPERIENCE AND LEADERSHIP

### General Motors Company

Austin, Texas

*Full Stack Software Developer*

2017 - Present

- Created new web-based front-end systems that empowered the business to be more efficient and lowered operating costs across all of General Motors' South American operations.
- Maintained and created new functionalities in back-end systems that made the business more productive.
- Worked cross-functionally with business analysts and developers across South America to determine what functionalities needed to be modernized and how they could be improved.

### Senior Capstone Project – Microsoft's Datacenter of the future

Tucson Arizona

*Team Leader*

2016 - 2017

- Led a team that designed and created a fully automated datacenter model for Microsoft that delivered location-based datacenter costs and statistics while considering different cooling, power and automation systems.
- Designed new autonomous systems and drew from the latest current datacenter technologies to create a system that will maximize power savings and minimize both land use and amount of employees needed.

### Rehrig Pacific Company

Los Angeles, California

*Plant Engineer Intern*

Summer, 2016

- Worked with a team of interns to design and build multiple safety covers and assembly jigs that made the manufacturing plant safer and more efficient.
- Reduced forklift repair costs by 50% by optimizing system pressures and speeds, developing a preventative maintenance schedule, and renegotiating terms with the contractor.
- Assisted in installing and wiring automated systems throughout the plant that enhanced total plant output.

### Gaffoglio Family Metalcrafters, Inc.

Fountain Valley, California

*Engineering Intern*

Summer, 2015

- Worked with a team of engineers to produce and assemble new concept cars by utilizing CATIA to create and modify parts of the vehicle in order to expedite the manufacturing process.
- Managed updated bills of materials for multiple projects and coordinated with customers, third party providers and the factory floor to ensure that parts were received, bought or machined in timely manner.
- Provided floor support for the assembly line by obtaining and managing engineering data, such as measurements, cross sections, screenshots, and assembly instructions.

## EDUCATION

### University of Arizona

May 2017

B.S. Mechanical Engineering

GPA: 3.56

Arizona Excellence Scholarship Recipient

Deans List Recognitions– Fall 2014, Spring 2015, Fall 2015, Fall 2016

## SKILLS AND TECHNICAL KNOWLEDGE

- Proficient with front-end technologies like Angular as well as React, automated testing software like Karma, Jasmine and Protractor, and deploying and maintaining applications with Pivotal Cloud Foundry.
- Proficient with back-end technologies like the IBM Mainframe using PL/1, JCL and SQL, Linux, and SQL/Oracle based systems like standalone databases as well as Oracle Forms.
- Knowledgeable with midrange systems and programming languages like SpringBoot and Java.
- Proficient with point-to-point interface software like Connect:Direct, Sterling and more.
- Knowledgeable with data analysis, algorithm implementation and matrix manipulation in Matlab.
- Natively fluent and proficient at reading and writing in Spanish, and conversationally fluent in Portuguese