

Marco A. Tipitto Cerruti

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Profile

Full stack software developer with 4 years of professional experience developing intuitive interfaces and versatile services that streamline and simplify complex logistical processes.

Experience

FULL STACK SOFTWARE DEVELOPER, GENERAL MOTORS COMPANY; AUSTIN, TX – 2017-PRESENT

- Leading the development of rich new Angular and React websites and highly scalable SpringBoot services that are empowering GM analysts and dealers to lower operational costs across the North and South American businesses.
- Constantly increasing the reliability and reducing the number of incidents in these applications by writing automated end-to-end tests with Cypress, Protractor and Selenium.
- Consistently meeting with users to demo new functionalities as well as gather feedback and additional requirements in order to deliver high quality applications that make for intuitive user experiences.
- Maintained and created new batch functionalities with bash scripts in linux servers, PL/SQL procedures in Oracle databases and mainframe JCL jobs and PL/1 programs.

TEAM LEADER, MICROSOFT SENIOR CAPSTONE PROJECT; TUCSON, AZ, – 2016-2017

- Led a team that designed and created a fully automated datacenter model in Power BI 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.

PLANT ENGINEER INTERN, REHRIG PACIFIC COMPANY; LOS ANGELES, CA – SUMMER 2016

- Collaborated with a team of interns to design and build multiple safety covers and assembly jigs that reduced factory workers exposure to pinch points and moving parts which made the plant safer.
- Reduced machinery repair costs by 50% by optimizing system pressures and speeds, developing preventative maintenance schedules, and renegotiating terms with repair contractors.
- Assisted in installing and wiring automated systems throughout the plant that enhanced total plant output.

ENGINEERING DESIGN INTERN, GAFFOGLIO FAMILY METALCRAFTERS, INC.; FOUNTAIN VALLEY, CA – 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, Tucson, Arizona – B.S. Mechanical Engineering, 2017, Cum Laude

Skills

- Front End – Angular 8, React 16, JavaScript, TypeScript, ES6, HTML, SCSS, CSS, npm, yarn, node
- Back End – SpringBoot 2.1, Java 8, PL/SQL, Oracle DB, Unix, IBM Mainframe, DB2, IMS, JCL, PL/1
- Pipeline – Git, Jenkins, Cara, Docker, Azure DevOps, Pivotal Cloud Foundry, z/OS Connect
- Testing – Cypress, Protractor, Selenium, Karma, Jasmine, JUnit
- Native fluency in English and Spanish