

RODRIGO CRUZ

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EDUCATION

University of South Florida
Bachelor of Science in Mechanical Engineering
USF GPA: 3.00

Tampa, FL
Expected May, 2020

EXPERIENCE

Airborne – Tampa, FL

July 2019 – Present

Engineering Internship/ Intern

- Created a compliance matrix on excel for multiple configurations of the Boeing 737-700 aircraft series.
- Reviewed engineering reports sent to the Federal Aviation Administration (FAA) for the modification and conversion of the Boeing 737-700 aircraft series.
- Received security clearance from the Transportation Security Administration (TSA) and earned a Security Identification Display Area (SIDA) badge.

Aerosonic Corporation. - Clearwater, FL

May 2017 – August 2017

Engineering Internship/ Intern

- Assisted engineers to conduct wind tunnel testing of aircraft pitot-static probes for various projects.
- Tested heaters within the probes in different environment conditions to analyze data and meet customer specifications.
- Completed documents such as test procedures, test reports, and systems requirement using Microsoft Office.
- Worked with engineers to complete a Critical Design Review before a deadline.
- Designed text fixtures and schematics for RVDT based vanes on AutoCAD. Mocked up designs for an Angle of Attack (AoA) probe to meet height and weight requirements.

Kisinger Campo and Associates Corp. - Tampa, FL

May 2016 – August 2016

Engineering Internship/ Intern

- Modified roadway plans on design programs MicroStation and AutoCAD for the roadway and drainage department.
- Worked with the project manager of the roadway department, assisting with tasks such as calculating Engineers Estimate's and reviewing completed QA's and QC's for projects.
- Created and plotted roadway drawings for bidding presentations.
- Worked with engineers while learning everything along the way and witnessing the progression of projects.

AutoZone Auto Parts – Plant City, FL

June 2018 – August 2018

Sales Representative

- Used communication skills and team skills to meet customer demand.
- Learned the function of each auto part as it was sold.

SKILLS

Languages: English and Spanish.

Program Proficiency: SolidWorks, Microsoft Office, AutoCAD, and MicroStation.

ACTIVITIES

Society Hispanic Professional Engineers– Tampa, FL

May 2015 – Present

Member

A.S.M.E (American Society of Mechanical Engineers) – Tampa, FL

August 2015 – Present

Member