



Christian Gabriel Gonzalez

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Miami, FL • **United States Citizen**

PROFESSIONAL SUMMARY:

Passion and logic driven senior mechanical engineering student pursuing a Bachelor of Science with hands on experience designing and developing mechanical systems. Interested in full-time job or Co-op opportunity beginning in Summer 2020, with plans to serve in the United States Marine Corps Reserve. Open to position along the East and West coast of the Continental United States.

EDUCATION:

Florida State University, Tallahassee, FL
Bachelor of Science in Mechanical Engineering

Expected May 2020

SKILLS:

CREO Parametric, AutoCAD, Microsoft Office, MATLAB, C and C++ Programming, LaTeX, 3D Printing Experience, & Machining

CURRENT PROJECTS:

- Lockheed Martin Deployable Trainer**, FAMU-FSU College of Engineering August 2019 - Present
- Designing an easy-to-use, sturdy simulator mount and accompanying seat that folds away into 3 portable cases, with an emphasis on maintaining product fidelity through each use.
 - Pairing team members skills with customer needs to improve Lockheed Martin's current Tabletop trainer.

COMPLETED PROJECTS:

- Mechatronics Tire Friction Project**, FAMU-FSU College of Engineering December 2019
- Individually designed, and manufactured a mechanical and electronic device to demonstrate the dangers of tire friction changing due to wet/icy roads.
 - Substantial number of components were 3D printed, offering a flexible, low-cost manufacturing solution for the project's construction.

- Mechanical Systems II Chainsaw Weight Mover Project**, FAMU-FSU College of Engineering December 2019
- Worked within a team to manufacture a gearbox and mechanism to move a 5lb weight into a box 30 cm away using a small DC motor.
 - Placed 1st among the class and was the only team to successfully move the 5lb weight with our unique chainsaw mechanism.

- MIPSI**, FAMU-FSU College of Engineering May 2019
- Utilized the Model, Identifiers, Physics, Simplify & Solve, and Interpret method and MATLAB to analyze and report the dynamics of a complex pendulum.

EXPERIENCE:

- Pitney Bowes**, Tallahassee, FL & Miami, FL March 2017 - November 2017
Electro-Mechanical Technician Intern
- Assessed and implemented efficient machine component changes to ensure production of 1,000,000 pieces of mail per day.
 - Designed, manufactured, and installed steel reinforcements on the operator's mail tray shelves to mitigate warping.
 - Critically examined machine components during weekly preventative maintenance inspections to ensure smooth machine operation.
 - Safely integrated industrial machines into the rebuilding process to reduce machine downtime.
 - Completed and implemented training on Lockout-Tagout procedures.

- United States Marine Corps**, Quantico, VA July 2017 - August 2017
Officer Candidate (Half-Trained)
- Curated schedules to ensure 60 candidates arrived at training events on-time, while completing all necessary evaluations over multiple days.
 - Successfully demonstrated leadership qualities needed to lead United States Marines.
 - Quickly and decisively generated plans, based on new information, that maximized all the team members skillsets to accomplish the simulated mission.
 - Incorporated weapons into daily routine while ensuring safe handling through multiple physical and team events.

ACTIVITIES & HONORS:

- Member of American Society of Mechanical Engineers (ASME) August 2018 - Present
Member of Phi Sigma Theta National Honor Society August 2016 - Present
Mentor for FAMU-FSU Peer Mentoring Program August 2019 - Present
Dean's List Spring 2016
Participant in Zeta Tau Alpha Breast Cancer Awareness 5k November 2017 - Present