

Andres Castrillon

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EDUCATION

UNIVERSITY OF FLORIDA, Herbert Wertheim College of Engineering (2020 - 2024)

- ***Bachelor of Science in Mechanical Engineering***
- Undergraduate Research Scholars Program
- Honors Program

EXPERIENCE

Machine Intelligence Laboratory, University of Florida (2020-2021)

- Active member of the Mechanical Team of the SubjuGator (an underwater autonomous vehicle for the RoboSub Competition)
- Currently researching the underwater dynamics of our submarines to improve their control models
- Collaborating with team to shift from pneumatic system to an electrical system in our submarine using underwater servos in our design

Internship with UF Honors Office of Admissions, University of Florida (2020)

- Graded application essays of students in the admission cycle for the UF Honors Class of 2025

Tutor at PROPEL, Boca Raton, FL (2019)

- Lead instructor of 15 first-generation college-bound, low-income high school seniors
- Tutored students and assisted them in their college application process

LEADERSHIP

UF Society of Sales Engineers, University of Florida (**Webmaster**; 2020 - Present)

- Manage the online branding of the club through the website and social media
- Prepare and present at the General Body Meetings along the other members of the Executive Board

ACADEMIC INVOLVEMENT

Society of Hispanic Professional Engineers, University of Florida (MentorSHPE Program - 2020)

- Mentored by upperclassmen to explore undergraduate engineering opportunities

Science Olympiad, Boca Raton High School (2016-2020)

- Rendered and prototyped designs using CAD software along with 3D printers and laser-cutters to assemble components for engineering projects
- Invitational Competition Placements:
 - Cornell University: 1st Mousetrap Vehicle; MIT: 3rd Sounds of Music; U.C. Berkeley: 4th Experimental Design

SKILLS/AWARDS

Languages: Spanish: Fluent, English: Fluent

Awards: Benacquisto Scholarship Recipient, National Merit Scholar, Bright Futures Recipient, FL Academic Scholars Award, Machine Intelligence Lab Scholarship Recipient

Skills:

Web Development (HTML, CSS & JavaScript)	Beginner
Python	Beginner
MATLAB	Experienced
SolidWorks - Certified Associate for Mechanical Design (2020)	Experienced
AutoCAD - User Certified (2016)	Experienced
Microsoft Office Specialist Certification (PowerPoint, Word, OneNote) (2016)	Experienced