

Louis Cardot

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Education

GEORGIA INSTITUTE OF TECHNOLOGY | AUGUST 2019 TO MAY 2024

- Bachelor's and Master's in Mechanical Engineering
- 3.85 GPA

CHAMBLEE CHARTER HIGH SCHOOL

- GPA 4.39/4.0
- Magnet/Honors

Experience

ADDITIVE MANUFACTURING RESEARCH | MAY 2020 TO DECEMBER 2020

- Developed python slicing algorithm to produce G-CODE from a given implicit function
- Previously worked on image and data processing with MATLAB and Fiji
- Worked with professor and students to meet weekly deliverables
- Worked with local and origin GitHub directories to mainstream a collaborative environment

R&D SYSTEMS ENGINEER CO-OP FOR IMMUCOR INC. | SPRING/FALL 2021, SUMMER 2022

- Performed main acquisition of data for characterization purposes of existing product systems
- Summarized data into comprehensive process and data reports for 3 separate systems
- Designed and 3D printed mounting units for an accelerometer and camera used during testing
- Became familiar with data acquisition systems, tools, and processes
- Attended weekly meetings with team members and reporting manager to discuss project progress

Projects

CREATIVE DESIGNS AND DECISIONS (ME COURSE) | FALL 2020

- Worked with team to design, develop, and test a final robot intended to complete multiple tasks
- Presented final robot design to professional engineers and faculty
- Wrote/presented multiple technical writings detailing the team's design and manufacturing process
- Learned basic manufacturing processes (laser cutting, machining, wood working)

INTRO TO ENGR GRAPHICS FINAL PROJECT (ME COURSE) | SPRING 2020

- Used sketching and SolidWorks to model and assemble parts into a final team assembly
- Worked with my team to design and individually model parts (5 each) to be later assembled
- Managed team meetings, organized roles, and kept flow of project

Leadership

GT MEN'S WATER POLO CLUB TREASURER AND SAFETY OFFICER | SPRING 2020 TO PRESENT

- Collected team dues and other payments
- Submitted club budget and attending budget review club meetings
- Involved in managing team bank account and financial communications with SGA

HIGH SCHOOL WATER POLO CLUB FOUNDER/COACH | AUGUST 2017 TO MAY 2018

- Founded my high school's water polo club during my Junior Year
- Acted as the head coach for two seasons to over 25 new players (high school and middle school)
- Ran practices and games during the week and on weekends

Skills

SOFTWARE/PROGRAMMING: Java, MATLAB, Python, SolidWorks, AutoCAD/Inventor, 3D Printing, GitHub

LANGUAGES: French (conversational), German (conversational)

CLUBS: GT Men's Water Polo, Energy Club, ASME

COMMUNICATION: Microsoft Word/Excel/PowerPoint, Lab write-ups, Product Drafting (Orthographic)

SKILLS: Programming, 3D Printing, Basic Machining, 3D Modeling, Technical Writing, Woodworking, Mechatronics, Electronics, Data Acquisition