

# Evan Todd Leleux

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## Education

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### **GEORGIA INSTITUTE OF TECHNOLOGY | DECEMBER 2023 | BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING**

- Major: Mechanical Engineering with a concentration in Automation and Robotics
- GPA: 4.0
- Scholarships: Men of Class Pi Kappa Phi, Delta Chi Scholarship
- Available year round.

## Experience and Projects

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### **LOW-COST AERIAL AUTONOMY | SPRING 2021**

- Key member of a ground robot and drone teaming sub-team of a research group. Focused on the electrical and software side of a drone while also researching and designing a micro-spine setup that would allow the drone to secure itself to rough surfaces and be an anchor for a ground vehicle to pull itself up a wall, out of mud, etc.

### **LIFEGUARD | FIRST METHODIST CHURCH | MAY 2019 – AUGUST 2019**

- Managed a team of 3+ lifeguards to ensure the safety of not only campers with disabilities but also all guests present. Rescued distressed or injured persons, using proper rescue techniques and equipment. Found nuances in enforcing the pool's unachievable rules. Managed adversity and issues with authority from guests.

### **ME 1770 INDIVIDUAL AND TEAM DESIGN PROJECT | FALL 2020**

- Applied learned techniques to sketch prototypes and draft assemblies. Collaborated with team members to evenly divide the work and keep each other accountable in a virtual environment. Designed, properly dimensioned, and assembled 3D CAD models using SOLIDWORKS. Created fully dimensioned drawings and exploded assembly drawings. Presented using Microsoft PowerPoint a full report of the project to peers and the professor.

### **VEX ROBOTICS TEAM LEADER | FALL 2018 & SPRING 2019**

- Designed a robot within select criteria to perform tasks aligning with the VRC Competition of 2019. Solely programmed the robot in C++ for a fifteen second autonomous period and proper driving controls for drivetrain, cascade lift, lifting arm, belt feeder, and ball launcher. Louisiana State Champions and participated at the International Contest.

## Skills & Activities

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### **TECHNICAL SKILLS**

- Visual Sketching in proper 2-point perspective, certified in the Microsoft Office Suite, proficient in Google Drive, Platinum Level Work Keys Certification, SOLIDWORKS, MATLAB, Java.

### **SOFT SKILLS**

- Teamwork, leadership, flexibility, proper communication, critical and analytic thinking to solve problems, adaptability, innovation, able to see problems from more than one perspective, resilience.

### **ACTIVITIES**

- Sigma Phi Epsilon Fraternity, VEX Robotics Competitions, Special Needs "Buddy", High School Swim Team Captain, Social Media Section Editor, High School Newspaper Staff, Leadership Development Committee Chairman, Low-Cost Aerial Autonomy ViP researcher.

### **INTERESTS**

- Hands-on work, Robotics, Efficiency, Autonomy, Repurposing, and using natural devices.