JACKSON ISENBERG

770-668-6875 ⬦ jaxonfiles@gatech.edu ⬦ http://www.jaxonfiles.com/

EDUCATION

Georgia Institute of Technology   *2020 - present*
Undergraduate Computer Science Major
Overall GPA: 4.0/4.0

Alpharetta High School   *2016 - 2020*
Graduated top 10 of class
National AP Scholar
101.5 weighted numeric average
Graduated with *magna cum laude*
Overall GPA: 4.0/4.0

EXPERIENCE

ATAS @ GTRI   June - July 2020
Temporary Intern   *Atlanta, GA*

· I was the main contributor towards the kinematic library for the five degree-of-freedom arm with which I was tasked with developing an external source of manipulation and user interfacing. I created an Eigen-based kinematics backend library for the Arduino through mathematical principles like projection and Inverse Jacobians.

ATAS @ GTRI   June - July 2019
Junior Research Assistant   *Atlanta, GA*

· Working on the Gates Foundation's reinvented toilet project, I developed the water treatment discovery. Through various lit reviews, I was the sole provider of liquid waste treatment systems and reported my findings directly to the project manager.

SKILLS

Software	Fusion 360, AutoCAD, Visual Studio, Excel, Word, PowerPoint, SolidWorks
Programming	C++, Java, Python
Web Design	HTML, CSS, JS, cPanel, Web Hosting
Instrumentation	Shop tools, shop safety, welding
Hardware	Arduino, Raspberry Pi, PCB
Mathematics	Linear Algebra, Multivariable Calculus

PROJECTS

FTCLib   Dec 2019 - present
Lead Developer

FTCLib is a community-based, open source library for FIRST Tech Challenge robotics teams.

The Jaxon Files   Sept 2015 - present
Creator

The Jaxon Files is an educational website designed to improve learning when there is not enough material in the class, it was forgotten, or the pacing is too fast.