

Brandon Will

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U.S. Citizen

Objective

Senior level mechanical engineering student with design and manufacturing experience seeking an entry level job in product design starting January 2018.

Education

Georgia Institute of Technology – Atlanta, GA

B.S. Expected Dec 2017

Major: Mechanical Engineering

GPA: 3.75; Major GPA: 3.92

Experience

Georgia Tech Research Institute – Atlanta, GA

2017-Present

Mechanical Engineering Intern – Electro-Optical Systems Laboratory

- Researched potential improvements for multiple airborne LIDAR subsystems
- Designed improved system for precision rotary measurement of optical scanner in SolidWorks
- Designed improved and cost effective thermal management system
- Created program in MATLAB to optimize LIDAR system based on resultant point cloud density

Kickr Design – Atlanta, GA

2017

Mechanical Engineering Intern

- Developed products from initial concept to completed prototype for start-up companies and inventors
- Executed projects centered around mechanical design, proof of concept validation, rapid prototyping, and design for manufacturing
- Simultaneously worked on multiple projects both independently and collaboratively

EcoCAR 3 – Atlanta, GA

2015-Present

Four-year project to convert a stock 2016 Chevrolet Camaro into a hybrid

- Designed several components for custom drivetrain
- Used finite element analysis in Siemens NX to analyze parts under several crash scenarios
- Fabricated drivetrain components using various machinery
- Integrated components into the car and tested functionality

Invention Studio Prototyping Instructor – Atlanta, GA

2015-Present

Weekly volunteer at on-campus maker space

- Supported students in design process by offering feedback and suggestions
- Supervised students and instructed on correct and safe machine usage

Skills

- Software: SolidWorks, Siemens NX, Autodesk Inventor, MATLAB, LabVIEW, Microsoft Office
- Fabrication: Mill, Lathe, Waterjet, TIG Welder, General Machining Tools, 3D Printer
- Communication: Mechanical Drawings, GD&T, Technical Reports, Design Reviews