Name

Address • Phone number • email • /in/linkedinURL
U.S. CITIZEN

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, School of Aerospace Engineering   Atlanta, Georgia
Bachelor of Science in Aerospace Engineering   *May 2019*
GPA: **3.45**

EXPERIENCE

Cessna Aircraft Company (Textron Aviation)   *May – August 2017*
Process Engineering Intern
- Exposed to and led projects in a lean manufacturing environment with an emphasis on reducing process cycle times and final product inconsistencies, as well as capturing and responding to shop floor metrics
- Updated existing NC mill and lathe process setup sheets in AutoCAD to increase overall quality yield rate for specific high-volume small parts. Worked with operators to standardize guage use and implement corrective actions based on root cause analysis of tooling and manufacturing techniques
- Created a safety action item list in Excel by using higher-order techniques such as advanced cell conditionals and VBA. After review by management, this template became standard for all other Textron Aviation plants
- Led a team of 6 full-time staff in designing and implementing solutions for managing a composite propeller inventory system by introducing new methods to track material usage with Excel and standard barcode systems

Georgia Tech Hytech Racing (Electric Formula SAE)   *August 2016 – January 2017*
Aerodynamics Subteam Member
- Designed custom aerodynamic bodywork from fiberglass and carbon fiber composite in a large team environment
- Utilized machine shop techniques such as milling, lathing, and the waterjet to fabricate specific componentry

Georgia Tech Carbon and Multifunctional Fiber Center   *August 2016 – April 2017*
Undergraduate Research Assistant   *Sponsored by Boeing*
- Assisted in graduate-level research to produce and characterize high modulus PMMA/PAN based hollow carbon fibers using islands-in-a-sea dual component geometry
- Researched alongside PhD students and research engineers to make improvements related to the manufacturing of precursor polymer fibers through hands on trial work in a class-1000 clean room laboratory environment
- Performed detailed image analysis of fiber cross-sections in order to tabulate and record specific geometric features. Data was later used to improve subsequent fiber manufacturing trials

Georgia Tech UAV Research Facility   *September 2015 – July 2016*
Undergraduate Researcher
- Developed a new watercraft propulsion system using pulse width modulation analysis tools, Arduino, and basic electronics techniques. Focused on enhancing built-in speed controls of a fishing boat trolling motor
- Wrote specific Arduino code to connect a system of gears and stepper motors to enable full control of a small watercraft from a standard transmitter or an autonomous mission control unit
- Saved 30% in total cost compared to commercially available radio control watercraft propulsion systems whilst retaining full functionality

SKILLS / ON CAMPUS

Software	On Campus Involvement
- Experienced proficiency in Microsoft Excel	- **GT Student Government** - *AE School Representative 2017-2018*
- SOLIDWORKS Modeling/Drawing/Assembly	- **Sigma Gamma Tau (AE Honors Society)** - *Secretary*
- **Other:** MATLAB, Arduino, GD&T	- **Georgia Tech AIAA** - *Membership Chair*
Selected Excel Functions:	- **Georgia Tech Invention Studio** - *Prototyping Instructor*
- Macros, VBA (familiar), Array formulas, PivotTables, Goal Seek, Advanced filters	- **Georgia Tech RHA** - *C.S. Apartments Hall Council President*
	- **Georgia Tech Undergraduate Research Ambassadors**