NICHOLAS MITCHELL

708 Spring Street NW • Atlanta, GA 30309 • 1 (203) 919-0481 • nmitchell34@gatech.edu

EDUCATION

Georgia Institute of Technology, College of Engineering *Aug. 2016—Present*

- B.S. Materials Science and Engineering (GPA 3.15)

Academic Honors

- Dean's List, Projected to Graduate with Honors

WORK EXPERIENCE

Process Engineering Intern: Merrimac Industries, West Caldwell NJ *May 2019—July 2019*

Producer of RF microwave passive components as well as Multi-Mix, an RF/Microwave integration technology selling to Tier 1 OEM providers to the US Government.

- Tracked electroplating process through database design as well as real time Xbar-R charts—significantly reduced engineering man hours required for data analysis and maintenance.
- Improved amount of electroplating parameters in statistical control from 60% to 90%.
- Worked with a cross functional team on a transactional kaizen focused on the process of acquiring and completing custom design orders. Resulted in reduction of non-value add steps by 70%.
- Completed 10 different projects over 10 weeks.

Engineering Intern: Verco Materials, Atlanta GA *Aug. 2018—Dec. 2018*

Provider of Ceramic body armor for military and private use, focused on use of Boron Carbide.

- Assisted in the fabrication, and quality control of boron carbide body armor.
- Hands on experience with cold isostatic press, grit blaster, powder press, and autoclave.

Research Assistant: C.P. Wong Laboratory *June 2018—Aug. 2018*
Georgia Institute of Technology – Atlanta, GA

Focused in the fields of polymeric materials, electronic packaging, nano-functional material synthesis.

- Worked on the development and modification of high temperature molding materials for use in the semiconductor packaging industry.
- Helped prepare and test samples using TMA, DSC, 3 Point Bend Testing, and Impedance Testing.

SKILLS

- CAD: Autodesk Inventor, AutoCAD, SolidWorks
- Lab: Materials Science, Chemical, Biological. Specialty in high temperature characterization of polymers.
- Coding: MATLAB, Visual Basic for Applications
- Minitab, JMP, Microsoft Office, Microsoft Access

LEADERSHIP AND SERVICE

- Student ambassador for a two-week trip to Qingdao, China
- Participant in mission trips to New Orleans and Washington D.C. to rebuild homes
- Historian for the Gamma Eta chapter of Beta Theta Pi