

PHILLIP MIGUEL CORREA

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, College of Engineering Atlanta, Georgia

- Candidate for Bachelor of Science in Materials Science and Engineering (Major) August 2018- May 2022
- Concentration in Polymer and Fiber Materials GPA: 3.01
- Studied abroad at Georgia Tech Lorraine in Metz, France (Fall 2019)

UNIVERSITY OF NORTH GEORGIA, College of Science Dahlonega, Georgia

- Candidate for Bachelor of Science in Chemistry June 2016 – May 2018
GPA: 3.58

PROJECTS

MATERIAL PROCESSING REPORT Georgia Institute of Technology

MSE 3002 / Structural Transformations in Metallic, Ceramic, and Polymeric Systems Spring 2020

- Researched the formation of polyethylene vinyl acetate (PEVA) from raw materials to the final product of shoe soles
- Applied knowledge of phase diagram thermodynamics and nucleation and growth kinetics to the research of processing
- Discussed the processing steps of PEVA in the context of the thermodynamics and kinetics of phase transformations

MECHANICAL BEHAVIOR REPORT Georgia Institute of Technology

MSE 3005 / Mechanical Behavior of Materials Fall 2020

- Researched the mechanical properties of silk and other natural fibers that result in high material strength
- Discussed the synthesis, mechanical testing, and chemical properties of silk, and how they aid in silk's materials strength
- Collaborated with a small group of 2 others to create a cohesive and informational research report

SKILLS

Material Science: Atomic scale structures, crystal structures, phase equilibria and phase diagrams, kinetics and microstructure of structural transformations, mechanical properties, electrical properties, optical and dielectric properties, polymer processing, rheology, scanning electron microscopy, optical microscopy, x-ray diffraction

Software: Autodesk CAD, Microsoft Office, MATLAB

Personal: Strong professional and academic work ethic, collaborative teamwork, fast-paced learning, communication, customer service

Athletics: Avid Runner (5K, 10K, Half-Marathon, Marathon), Tennis, Soccer, Intramural Sports

LEADERSHIP & INVOLVEMENT

PI KAPPA PHI FRATERNITY Atlanta, Georgia

Philanthropy Chair May 2020 – Present

- Planned and scheduled events to help gain recognition and raise money for the Ability Experience
- Led small committee of 5 people who assisted in event planning and coordination
- Worked together with an executive committee to ensure the well-being of the chapter and organization

GEORGIA TECH FOR THE KIDS Atlanta, Georgia

Institute Impact Committee August 2018 – March 2019

- Raised money for Children's Healthcare of Atlanta and Children's Miracle Network
- Helped grow For the Kids by spreading Children's Miracle Network's motto of "One generation fighting for the next"
- Acted as an ambassador who informs the community about our movement

EXPERIENCE

FISH TALES LAKESIDE GRILLE Flowery Branch, Georgia

Host & Kitchen Staff May 2018 – September 2020

- Collaborated with all employees to make a seamless cohesive environment for both customers and other employees
- Learned and implemented multiple roles in the kitchen including ingredient preparation, line-frying, and grilling
- Communicated with other hosts in teams of up to 6 to manage seating and waitlisting of up to 200 groups per shift