

EDUCATION	<p>Master's Thesis in Mechanical Engineering May 2016 – December 2018 Clemson University, Clemson, SC, USA</p> <p>M2 Génie industrielle, développement de produits (Francophone) September 2017 – July 2018 French Master's in Industrial Engineering: Product Development Grenoble INP, Grenoble, France Note: 14.5 / 20</p> <p>Bachelor of Science in Mechanical Engineering, May 2016 Clemson University, Clemson, SC, USA GPA: 3.24</p>
LANGUAGES	English (native), French (Intermediate, B2 DELF)
EXPERIENCE	<p>MILLIKEN SPECIALTY FABRICS: FINISHING AND WEAVING Pendleton & Jonesville, SC Cedar Hill Engineering Services Summer Intern May 2015 – July 2015</p> <ul style="list-style-type: none"> ▪ Project: Cedar Hill Early Equipment Management Support ▪ FMEA for slasher installation ▪ Developed inventory database in Microsoft Access for weave machine circuit boards ▪ Developed safety training materials for machine shop <p>Pendleton Engineering Services Intern August 2015 – May 2016</p> <ul style="list-style-type: none"> ▪ Populated and streamlined Maintenance Management System reducing required training time of associates and increasing functionality of system ▪ Created user friendly report generator in Excel using maintenance and inventory data from SAP <p>CLEMSON STUDENT MACHINE SHOP Clemson, SC Manager - UPIC Intern January 2015 – May 2015</p> <ul style="list-style-type: none"> ▪ Managed 10 student supervisors to maintain safety and support shop activities ▪ Recruited four student interns into supervisor training program ▪ Procured critical resources to maintain shop operation <p>Assistant Manager August 2014 – December 2014</p> <ul style="list-style-type: none"> ▪ Streamlined and documented supervisor scheduling procedure ▪ Implemented a process for tracking student shop use <p>Supervisor November 2013 – May 2016</p> <ul style="list-style-type: none"> ▪ Enforced all safety policies, taught students how to safely operate machine tools (lathe, milling machine, welding equipment, etc) <p>KUBOTA MANUFACTURING Gainesville, GA Manufacturing Engineering Intern June 2014 – August 2014</p> <ul style="list-style-type: none"> ▪ Facilitated cross-disciplinary communication to complete projects efficiently ▪ Used Autodesk Inventor to specify designs for machining
SOFTWARE	CAD (Inventor, SolidWorks, AutoCAD), LabVIEW DAQ and Controls, MATLAB/SCILAB, Simulink, some C++, MS Excel, MS Access, MS Word
SKILLS	Technical Writing (English, some French), Leadership of Design Teams, Management, Machining, CPR/First Aid Red Cross Certified
AWARDS	<p>IDEX Scholar (France) September 2017 – July 2018</p> <p>Calhoun Honors College of Clemson University (US) August 2012 – May 2015</p> <p>Presidential Scholar (US) August 2012 – May 2016</p> <p>Clemson Palmetto Pact Scholar (US) August 2012 – May 2016</p> <p>Palmetto Fellows Scholar (US) August 2012 – May 2016</p>

RESEARCH

GRADUATE RESEARCH ASSISTANT (US) May 2016 – August 2017

- **Project:** Takt assembly platform development for BMW
- **Project:** Testing of electrically assisted manufacturing technology for CU-ICAR
- **Mechanical Engineering Master Thesis:** Usability, Understandability, and Usefulness of an Innovation Management Decision Aid Tool

STAGIAIRE (Research Internship, France) January 2018 – July 2018

- **Industrial Engineering Master Thesis:** A multi-criteria multi-actor approach to measure the knowledge absorptive capacity within a Collaborative Innovation Network

UNDERGRADUATE RESEARCH IN SAND TRACTION (US)

Senior Undergraduate Leader

August 2012 – May 2016

Creator and Team Lead of ASME Design Team Creative Inquiry

August 2014 – May 2016

PUBLISH-ED Workshop Attendee (Grenoble INP)

February 2016

EUREKA! Summer Research Program

June 2012 – August 2012

PUBLICATIONS

Gendreau, Elizabeth, Steven O'Shields, and Joshua D. Summers. "Developing a Method for Classifying Design Enablers." *ASME 2017 International Design Engineering Technical Conferences and Computers and Information in Engineering Conference*. American Society of Mechanical Engineers, 2017.

Ruszkiewicz, Brandt J., et al. "Electroplastic Drilling of Low-and High-Strength Steels." *Journal of Manufacturing Science and Engineering* 140.6 (2018): 061017.

Ruszkiewicz, Brandt J., et al. "An Investigation of Electroplastic Drilling of Mild Steel." *ASME 2017 12th International Manufacturing Science and Engineering Conference collocated with the JSME/ASME 2017 6th International Conference on Materials and Processing*. American Society of Mechanical Engineers, 2017.

Gendreau, Elizabeth J., et al. "Camels and Fennec Foxes: A Case Study on Biologically Inspired Design of Sand Traction Systems." *ASME 2015 International Design Engineering Technical Conferences and Computers and Information in Engineering Conference*. American Society of Mechanical Engineers, 2015

Satterfield, Zachary T., et al. "Off-Vehicle Tire Traction and Endurance Testing System: System Upgrade Design." *ASME 2014 International Design Engineering Technical Conferences and Computers and Information in Engineering Conference*. American Society of Mechanical Engineers, 2014.

ACTIVITIES

Grading Assistant for Senior Design (ME401)

August 2018 – December 2018

Grad-advisor for Senior Capstone Design (ME402)

August 2018 – December 2018

ESL Volunteer Teaching

February 2018 – June 2018

Grading Assistant for Statics & Dynamics (ME201)

January 2017 – May 2017

EMAG!NE Volunteer

May 2016 – May 2017

Webmaster & Secretary of Clemson ASME

January 2014 – May 2015

Honors College Mentor

August 2013 – May 2014