

Jillian Zamorski

2541 River Road
Niagara Falls, NY 14304
Cell: 716.940.8308
Email: zamorsjs@clarkson.edu

EDUCATION

Clarkson University, Potsdam, NY

Pursuing an Honors Bachelor of Science in Mechanical Engineering

May 2020

GPA: 3.928

EMPLOYMENT

General Electric Aviation Intern

Worked on projects like cost review, cost reduction, develop cost models, collaborated with suppliers, managed material shortages, engine repair turnaround times, customer/product management, specialized tooling and many other areas.

January-August 2018

RESEARCH EXPERIENCE

Summer Research Assistant, Department of Mechanical Engineering

Designed a modern day carrying pole backpack device to assist farmers with chronic arthritis carry objects around their farm. Consulted and collaborated with the Clarkson Occupational Therapy Department and the Cornell Cooperative Extension Farm.

Summer 2017

Undergraduate Research Assistant, Department of Mechanical Engineering

Assisted in the design of low technical assistive devices for disabled clients. This included developing computer aided drawings representing the finished designs, and collaborating with Clarkson Graduate Occupational Therapy students to ensure the client's needs were met with each design.

2016-2018

PROFESSIONAL ACTIVITIES

CUSA Student Life Committee Co-Chair

Organized and host CUSA funded student events throughout the year. These events are intended to give back to the students and enrich student life on campus as a whole.

2018-present

Honors Freshmen Peer Mentor

Mentored Honors freshman in their transition to college. Provided consultation and advice for any issues that arose during this time.

2017-present

Clarkson University Student Association (CUSA) Senator

Elected by class to be a senator in school's student government. CUSA works to allocate over 1 million dollars of student activity funds to school-recognized clubs, bring enriching events to campus, and enhance student life.

2016-present

Clarkson University Honors Program Ambassador

Responsibilities for an Honors Ambassador include hosting overnight prospective students, conducting interviews for prospective students, participating in recruitment phone-a-thons, and hosting on-campus recruitment events.

2016-present

Pre-Freshman Summer Research Peer Mentor

Mentored incoming Honors freshman during their summer research, providing academic and personal guidance.

2017

Engineers for International Sustainability (EIS) Secretary

Elected by general body members to be the secretary for EIS. EIS is currently working with a small community in Uganda to engineer more reliable water solutions to improve water quality and quantity in the community.

2016-2018

ACADEMIC PROJECTS AND PRESENTATIONS

Senior Thesis: "Designing a Mind Controlled Prosthetic Hand"

Designed a 3D printed prosthetic hand controlled through electroencephalography waves. Device monitored the attentiveness of the subject and the prosthetic hand responded to various attentiveness levels with corresponding hand gestures. Defended thesis in front of a panel of five teachers and forty guests, and travelled to St. Louis, Missouri to FIRST Nationals to present completed thesis to hundreds of competitors and judges.

2015-2016

VOLUNTEERING

Clarkson Circle K Member

2017-present

Clarkson University Regional Science Olympiad Volunteer

2016-present

ACADEMIC HONORS AND AWARDS

Clarkson Tau Beta Pi Member

2018-present

Clarkson Pi Tau Sigma Member

2018-present

Clarkson University Presidential Scholar

2016-present

Stephen Newkofsky H'03 Endowed Student Engagement Scholarship

2016-present