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Permanent Address:

School Address:

110 Eagle St, Troy, NY, 12180

EDUCATION	Rensselaer Polytechnic Institute (RPI), Troy, NY B.S. Mechanical Engineering Computer Science Minor	MAY 2021 GPA 3.86
SOFTWARE SKILLS	<ul style="list-style-type: none"> CAD Software: NX, Solidworks Programming Languages: C++, Java, Python, JavaScript Microsoft Excel 	
COURSEWORK	Elements of Mechanical Design <ul style="list-style-type: none"> Used concepts of stress, strain, and failure phenomena for design of mechanical components such as shafts, bearings, and gears Modeling and Control of Dynamic Systems <ul style="list-style-type: none"> Modeled mechanical, electrical, and electromechanical systems and designed PID controllers using root-locus and frequency response analysis Embedded Control <ul style="list-style-type: none"> Developed microcontroller software and accompanying hardware for control of dynamic systems and sensor interfacing Thermal and Fluids Engineering II <ul style="list-style-type: none"> Applied thermodynamic, heat transfer, and fluid flow principles to engineering systems such as power generation, HVAC, and automotive design 	SPRING 2020 SPRING 2020 FALL 2019 FALL 2019
PRACTICAL EXPERIENCE	Laboratory Work <ul style="list-style-type: none"> Analyzed an air-conditioning/dehumidification system and various fluid flows Programmed microcontroller to control a car based on various sensor inputs Collected tensile test data and created the corresponding stress-strain curves Quadcopter Project <ul style="list-style-type: none"> Built a self-leveling quadcopter for a personal project Controlled motors using an Arduino and feedback from sensors Designed and fabricated mounts via Solidworks and 3D printing Introduction to Engineering Design Project <ul style="list-style-type: none"> Designed and developed a prototype chest compression machine for CPR Controlled a DC motor using a microcontroller with feedback from sensors Built circuits to provide feedback to the user and microcontroller 	SUMMER 2020 SPRING 2019
WORK EXPERIENCE	Walmart, Avon, CT CAP 2 Associate <ul style="list-style-type: none"> Maximized sales by ensuring availability of products to customers Assisted customers with product location and selection Green Mountain Running Camp, Meriden, NH Camp Counselor <ul style="list-style-type: none"> Responsible for groups of 10-15 campers Organized and executed recreation activities every night 	SUMMER 2019 SUMMER 2017, 2018
ACTIVITIES	<ul style="list-style-type: none"> Varsity Track and Field National Society of Leadership and Success Member 	2017 – 2020 FALL 2018 – 2020
HONORS	<ul style="list-style-type: none"> Dean's Honor List Rensselaer Leadership Award Bausch and Lomb Science Award Certificate of Merit Society of Women Engineers 	FALL 2017 - SPRING 2020 AUG 2017 – MAY 2021 MAY 2016 MAY 2016