

Tanya Rustogi

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SKILLS	Computer engineering student with experience working with multiple software to run simulations and working with Fusion360 to design mechanical components. Proficient with programming in MATLAB, Python, C, C++ and Verilog. CAD/Design: Autodesk Fusion360, SolidWorks, ROS Machining: Lathe, Mill, Drill press Programming: HTML, Python, C, C++, JavaScript, SQL, MATLAB, Verilog Problem solving, Leadership, Organization, Adaptability, Collaboration, Innovative Thinking
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EMPLOYMENT HISTORY

Jun 2022 - Jul 2022 University of Toronto, Toronto, ON	Math Mentor, University of Toronto Engineering Academy (UTEA) - Guided first year engineering students knowledge needed for Calculus 1 and Linear Algebra. - Worked together with peers to create lesson plans and slideshows for 6 classes of about 20 students twice a week. - Hosted introduction to UofT Engineering seminars with question answer sessions every week along with 2-3 peers.
Jan 2020 - Jul 2021 Mathnasium, Oakville, ON	Teaching Instructor, Mathnasium - Worked with elementary and secondary students to strengthen their skills and understanding of mathematics and taught topics using different approaches personalized to each student. - Lead other instructors as a floor lead to provide a holistic and fulfilling learning experience for the student with different teaching approaches. - Engaged students using various creative methods to teach different topics. - Developed communication and collaboration skills through working with other instructors

EDUCATION

Sep 2021 - Present University of Toronto	Bachelor of Applied Sciences and Engineering (B.A.Sc) in Computer Engineering - Intended minor in Artificial Intelligence and Robotics and Mechatronics - Relevant Courses: Computer Programming (C and C++), Engineering Strategies and Practice
Sep 2019 - Jul 2021	Ontario School Secondary Diploma, Richmond Hill High School Graduated on the honor roll with a final average of 94%

EXTRA CO-CURRICULARS

Sep 2022 - Present University of Toronto	DriveTest and Driverless General Member, Formula Racing - Designing and simulating CAD drawings on SolidWorks of the drive test mechanism. - Using the machining tools to manufacture and test the drive test parts needed for the formula car.
Sep 2022 - Present University of Toronto	Arm, Full-Arm, General Member, Rover Space Exploration - Creating a URDF model of the rover arm and using ROS to simulate and test joints. - Attending weekly Saturday meetings to meet with different groups, work together and update.
Sep 2022 - Present University of Toronto	Policy and Advocacy Financial Lead, Engineers Without Borders - Create Microsoft Excel documents recording the financial expense of the policy advocacy sub team. - Attend club meetings and participate in club presentations and initiatives.

AWARDS, ACHIEVEMENTS, AND CERTIFICATIONS

Jan 2021 - Dec 2022	Machining Shop Training and George Brown Machining Course University of Toronto
Sep 2020 - Jun 2021	AP Courses, CollegeBoard Completed AP Physics 1, AP Calculus BC, and AP Chemistry with a score of 3. Received AP Scholar Award.
Sep 2019 - Jun 2021	Specialist High Skills Major, Richmond Hill High School Graduated with an SHSM Health and Wellness seal on OSSD

REFERENCES	References are available upon request.
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