

# JUSTIN SAPUN

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## EDUCATION

<b>Dartmouth College</b> , Hanover, NH <i>Bachelor of Engineering, Major in Computer Engineering:</i> Relevant Coursework: Embedded Systems, Digital Electronics, Software Development Honors/Awards: Academic Distinction Citation in Modern Statistic Computing	<b>June 2025</b> <b>GPA 3.9/4.0</b>
<b>Bard College</b> , Great Barrington, MA <i>Bachelor of Arts, Major in Computer Science:</i> Relevant Coursework: Theory of Computation, Algorithms and Data Structures, Algorithmic Trading Honors/Awards: Dean's List 4/4 Semesters, Johns Hopkins Center for Talented Youth Annual Scholarship Recipient (2020, 2021)	<b>June 2024</b> <b>GPA 3.9/4.0</b>

## PROFESSIONAL EXPERIENCE

<b>The Electrified Garage</b> , Amesbury, MA <i>Technician/Intern</i> <ul style="list-style-type: none"><li>Conducted comprehensive diagnostics, repairs, and software updates for electric vehicles, showcasing proficiency in EV systems and technology.</li><li>Demonstrated strong customer service skills and prioritized safety compliance while assisting with electric vehicle conversions, contributing to a seamless and efficient service experience.</li></ul>	<b>June 2023-August 2023</b>
<b>Formula One Hybrid</b> , Hanover, NH <i>Controls Technician</i> <ul style="list-style-type: none"><li>Implementing front end data visualization dashboard to monitor car or live data from various sensors equipped.</li><li>Implementing traction control module that works in tandem with torque vectoring and electronic differential.</li></ul>	<b>January 2023-June 2023</b>
<b>Robotics Club</b> , Great Barrington, MA <i>Robotics Engineer</i>	<b>September 2021-May 2022</b>
<b>Windsor Custom Creations</b> , Princeton Jct, NJ <i>Co-Founder, Designer, Builder</i>	<b>May 2020-August 2022</b>

## PROJECTS

<b>Electric Motorcycle Conversion</b> , Great Barrington, MA <i>Lead Technician</i> <ul style="list-style-type: none"><li>Independently designed and constructed the low voltage electrical system ensuring seamless integration of new components and compliance with safety standards.</li><li>Developed and implemented innovative wiring solutions, including custom harnesses and control systems, resulting in a reliable and efficient operation of the high voltage drivetrain.</li></ul>	<b>August 2023-Present</b>
<b>Morse Code Decoder Game</b> , Hanover, NH <i>Logic Designer</i> <ul style="list-style-type: none"><li>Designed and implemented the Morse Code decoding circuitry for a Morse Code VGA Decoder Game, demonstrating expertise in FPGA programming and real-time signal processing.</li></ul>	<b>March 2023-June 2023</b>
<b>Tiny Search Engine</b> , Hanover, NH <i>Programmer</i> <ul style="list-style-type: none"><li>Collaboratively developed a robust Tiny Search Engine in C, leveraging teamwork to create efficient indexing and query processing algorithms, enhancing search accuracy and speed.</li></ul>	<b>January 2022-March 2023</b>

## LEADERSHIP & SERVICE

<b>Storrs Hill Ski Patrol</b> , Storrs Hill, NH <i>Volunteer Ski Patroller</i>	<b>December 2022-May 2023</b>
<b>Dartmouth Men's Volleyball</b> , Hanover, NH <i>Middle Blocker</i>	<b>September 2022-June 2023</b>
<b>Economics and Finance Club</b> , Great Barrington, MA <i>Vice-President</i>	<b>September 2020-May 2022</b>
<b>Camelback Ski Resort</b> , Tannersville, PA <i>Ski &amp; Snowboard Instructor</i>	<b>December 2018-April 2020</b>

## SKILLS & INTERESTS

Programming Languages: Python, Java, C, HTML, MATLAB, VHDL  
Software Skills: Microsoft Office Suite, Algorithm Development, Data Analysis  
Additional Interests: Circuit Building, Robotics, Golf, Woodworking, Website Building, Research