

Hayden Colvin

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Detail-oriented student athlete with a passion for hands-on problem-solving. I'm actively seeking professional experience in engineering where I can contribute, learn, and grow alongside others.

Education Rensselaer Polytechnic Institute |GPA: 3.83| Expected Graduation: September 2028
Bachelor of Science in Mechanical Engineering

Relevant Courses: Multivariable Calculus, Engineering Processes, Introduction to Engineering Analysis, Engineering Communications and CAD, Differential Equations, Physics 2, Engineering Design, Thermodynamics

Current Classes: Numerical Methods and Programming, Strengths of Materials, Materials science, Electronic Insutrumentation

RPI Dean's List: Fall 2024, Spring 2025, Fall 2025, RPI Leadership Award

NCAA Varsity Soccer Athlete: Fall 2024- Present

RPI SAAC (Student Athlete Advisory Committee): served as a voice for varsity student-athletes, represented peers to NCAA and RPI administration, helped organize community outreach and campus engagement projects, supported fundraising and promotional efforts, and contributed to planning SAAC-hosted events, Fall 2024- Present

Lake Norman High School

Graduated: May 2024

Relevant Experience:

AUTOCAD, Inventor Studio, Siemens NX, Manual machining, Python/technical computing familiarity. welding fundamentals, CAD and engineering drawings, metrology and inspection tools, mechanical assembly, shop safety, and laboratory techniques.

Undergraduate Research:

Assist in research on how cytoskeletal and microtubule networks generate and respond to forces during processes such as cell division and neuron growth. Responsibilities include preparing stock solutions, buffers, and dilutions, sterilizing materials with an autoclave, and participating in weekly lab meetings to review progress and troubleshoot experimental challenges.

Work Experience

Banquet Staff Member, Trump National Golf Club, Charlotte

Mooresville, NC | May 2024 - Present

- Ensured a quality event by checking customer satisfaction during meals, addressing concerns promptly.
- Provided table-side food and beverage service efficiently.
- Created a clean environment by following sanitation procedures for cleaning tables, chairs, and floors.

Landscape Crew Member, Chris Johnson Hardscaping

Huntersville, NC | August 2020 - August 2024

- Installed and maintained patios, walkways, and retaining walls using materials such as pavers, stone, and brick, ensuring level alignment and long-term durability
- Ensured the correct location of plants by determining the proper spacing as well as their location on a hill, slope, or other surface

Lawncare Technician, Sidways Lawncare

Charlotte NC | May 2022 - August 2023

Diagnosed and repaired broken lawn care equipment, including weed eaters and push mowers, minimizing downtime and maintaining workflow efficiency