

William Miller

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Objective

Senior Mechanical Engineering student seeking full time, entry-level position to utilize my skills in mechanical design, 3D modeling and FEA, and manufacturing.

Education

Medway High School

General Education - 3.66 GPA

Medway MA, 2017 – 2021

University of Connecticut

Mechanical Engineering BS. – 3.15 GPA

Storrs CT, 2021 – 2025 (Expected)

Experiences

Senior Design Student Engineer (Sweet Acre Farm)

Storrs CT, 2024 – Present

Design, test, and manufacture parts to retrofit a manure spreader to compost spreader within budget

Work within group to develop reports and present to sponsors

Chosen as team captain, main point of contact with UConn College of Engineering

Fuel The Future, Global Partners LP Finalist, Third Overall

Waltham MA, 2022

Conceptualize and model a fueling station to consider future fuel types

Create a business model and marketing for fueling station

UConn Formula SAE Suspension, Business, EV Powertrain(Lead)

Storrs CT, 2021–2024

Design, manufacture, and repair major suspension components

Lead team in design of first UConn FSAE electric vehicle powertrain

Manage team relations, culture, and onboarding process

Ambrose Cove Marina Dock Hand, Mechanics Assistant.

Moultonborough NH, 2019–2022

Communicate with customers to determine their needs, prepare boats for use

Assist mechanic in moving and repairing customer vehicles

Vita-Crete General Laborer, Mechanics Assistant

Milford MA, 2023

Design, manufacture, and install new shoot on concrete facility

Clean and manage machinery and working areas from debris

Sigma Phi Epsilon Standards, Recruitment, Leadership

Storrs CT, 2023 – Present

Recruit new members and work within the committee to assure true brothers join

Uphold behavioral and academic standards of brothers

Plan and coordinate leadership development events for brothers

Skills

Technology: SolidWorks, Ansys, Fusion 360, Microsoft 365, MasterCAM, Power Tools, Mill, Lathe, Tormach CNC,

Leadership: Project Leading, Team Management, Work Delegation