

REBECCA (BECCA) DIVINE

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Education

University of Utah - Salt Lake City, UT

Bachelor of Science: Mechanical Engineering, Expected in 05/2026

- Transfer Spring 2023
- Dean's List Spring 2023
- 4.0 GPA

Colby-Sawyer College - New London, NH

- Studied Biology, Chemistry, PreMed Track
- Fall 2019 – Fall 2022

High School Diploma: 06/2019

Eden Prairie Senior High School - Eden Prairie, MN

- 3.8 GPA
- AP Scholar

Skills

- Programming/coding experience: MATLAB and Arduino C
- SolidWorks Design Software
- Proactive and Hardworking
- Microsoft proficiency – specifically in Excel
- Research and Analysis
- Background in Biology, Chemistry, and Mechanical Engineering.
- Analytical and Critical Thinking
- Teamwork and Collaboration

Course Work

Completed

- ME EN 1000 – Introduction to Design for Engineering Systems
- MSE 2160 – Materials Science
- PHYS 2210 – Physics I
- MATH 1210 – Calculus I
- MATH 12220 – Calculus II
- MATH 2210 – Calculus III

Current

- ME EN 1010 – Computer Problem Solving for Engineering Systems
- ME EN 2010 – Statics
- PHYS 2220 – Physics II
- ECE 2210 - Electrical Engineering

- MATH 2250 – ODEs and Linear Algebra

Spring 2024

- ME EN 2450 – Number Methods for Engineering Systems
- ME EN 2300 – Thermodynamics
- ME EN 2030 – Dynamics
- ME EN 2550 – Probability and Statistics
- MATH 3150 - PDEs

Work History

Teaching Assistant for ME EN 1000, 08/2023 to 12/2023

University of Utah – Salt Lake City, Utah

During the semester of Fall 2023, I worked as a teaching assistant for three classes of ME EN 1000 (intro to mechanical design). As a TA I worked closely with other TAs to support and help run the ME EN 1000 lab. From this position I have gained more experience in engineering design and using SolidWorks software. Additionally, I have gained more experience with 3D printing by helping run the 3D printers in lab, monitoring progress, and helping problem solve design issues.

Summer Intern, 05/2022 to 08/2022

Dartmouth-Hitchcock Medical Center – Lebanon, NH

Over the summer of 2022, I worked as a summer intern at Dartmouth-Hitchcock hospital in Lebanon, NH. The internship was completed primarily in the inpatient pharmacy of the hospital. I worked directly with pharmacy techs to learn how a pharmacy works and the tasks needed to be completed. Additionally, I worked closely with my supervisor performing select administrative projects. The highlight of my time in the pharmacy was shadowing pharmacists of different specialties. I was also given special projects in terms of medication safety by the general medicine pharmacist. An important aspect of the internship was workforce development. With the internship cohort, I attended a number of sessions where we developed skills to better our impact on the workforce. Important skills such as communication, teamwork, interpersonal skills, and professionalism were improved. The overall internship gave me a wide range of experience working in a hospital and valuable experience working as a team.

- Shadowed and worked closely with eight pharmacists working in different areas of pharmacy (e.g. cardiology, IV, pediatrics, ICU, transplant).
- Was given select administrative projects to perform on the logistical side of inpatient pharmacy.
- Worked closely with a general medicine pharmacist on medication safety projects. Working on limiting waste and contamination. Additionally, worked on designing and setting up special medication OR trays.
- Took part in several workforce development sessions. The session focused on improving job skills, including interpersonal skills, professionalism, teamwork, and communication.

Alpine Ski Coach, 06/2020 to 08/2021

National Alpine Ski Camps

- Communicated effectively with coaches and fellow athletes.
- Guided athletes with encouragement, motivation and nutritional advice to support athletic performance and overall well-being.
- Educated athletes in rules, strategies, sportsmanship and performance principles.
- Adjusted coaching techniques to meet athlete needs and address strengths and weaknesses.
- Worked closely in training capacity with fellow student-athletes during off-season.
- Developed exercise regimens targeting individual athlete needs.
- Monitored safety of training, individual exercises and equipment usage to avoid sports injuries and damage to facility.
- Offered fitness advice and inspiration during coordinated class events for club members.

Alpine Ski Coach, 12/2020 to 01/2021

Buck Hill Ski Team

- Monitored safety of training, individual exercises and equipment usage to avoid sports injuries and damage to facility.
- Communicated effectively with coaches and fellow athletes.
- Guided athletes with encouragement, motivation and nutritional advice to support athletic performance and overall well-being.

Accomplishments

- Won first place at the Minnesota State Championship in 2018.
- U.S. National and Junior National attendee in 2018 for Alpine Ski Racing.

Affiliations

- Former member of Colby-Sawyer NCAA Division I Alpine Ski Team 2019 – 2022
- Former member of Buck Hill Ski Racing Team 2011 – 2019
- Former member of Eden Prairie High School Alpine team 2015 – 2019

Licenses & Certifications

- Certified in SolidWorks – Certified SolidWorks Associate (CSWA) Exam