

# Susan Strickland

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## EDUCATION

BS Civil Engineering

Architecture Minor

GPA 3.9

University of New Hampshire, Durham, NH

Expected 2024

### *Related Course Work*

#### STRENGTH OF MATERIALS

- Determined allowable stresses and strains for elements in a structure
- Calculated thermally induced stresses, and stresses in pressurized vessels

#### 2D COMPUTER AIDED DESIGN

- Navigated AutoCAD for MAC and Microsoft
- Created Boundary Plans and Architectural Plans from given requirements
- Researched State boundary laws

#### SURVEYING AND MAPPING

- Worked in groups of 3 to survey and draft an on-campus field in AutoCAD
- Set up surveying equipment and read measurements
- Organized measurements in personal field books

## EXPERIENCE

#### UNDERGRADUATE RESEARCHER

January 2022-June 2022

University of New Hampshire

- Collaborated with PhD students to perform qualitative research on the effects of seismic activity and climate change on structures in Alaska
- Coded interview transcripts using Quirkos

#### LAB TECHNICIAN-TRANSPORTATION AIDE

May 2022-August 2022

Maine Department of Transportation – MTE<sub>x</sub> Laboratories

- Performed quality assurance testing on hot mix asphalt to determine contractor pay scale
- Assisted field workers with taking samples at active paving sites and asphalt plants

## PROFESSIONAL ORGANIZATIONS AND CLUBS

#### AMERICAN SOCIETY OF CIVIL ENGINEERS

- Networked with local and national civil engineers

#### CHI OMEGA SORORITY

- Acted as a mentor to other women in engineering within the organization
- Worked as a team to support philanthropy

#### TAU BETA PI

- Connected with other Engineering Honor Society members