

LUMINI SENAVIRATNE

ENTRY LEVEL ENGINEERING POSITIONS

CAREER OBJECTIVE

RESULT ORIENTATED, PRACTICAL, AND VERSATILE SENIOR YEAR MECHANICAL ENGINEERING STUDENT AIMING TO LEVERAGE A PROVEN KNOWLEDGE OF COMPUTER AIDED ENGINEERING, CROSS-FUNCTIONAL TEAM, AND EXPERIMENTAL DESIGN SKILLS TO SUCCESSFULLY FILL THE ENGINEERING ROLE AT YOUR COMPANY.

RESEARCH AND OTHER WORK EXPERIENCE

W. L. Gore & Associates

Capstone Project – Design and Building an Endovascular Stent Crimper
Position - Financial & logistics Manager
January 2022 – Present

Focus -Aiming to design, build and test a low force stent crimping machine utilizing a crush iris with a radial force readout within a six-month period, within feasible budget of USD 3000.

- Designed six different iris models to best fit our client and engineering requirement of being able to crimp the stents under the radial force and to the given diameter as per requirement.
- Initiate financial assessment for the entire project from the beginning till the end.
- Assessed production schedules and order to plan material requirements and activities of other teammates.
- Prepared the power requirement engineering analysis by the second of April 2022.

Geology Department of Northern Arizona University

Position– Student Research Assistant

August 2020 - May 2021

Focus - Build a survey tool to monitor the Stated Behavioural Responses to Future AI automotive needs.

- Reported weekly to the supervisors regarding the progress, problems, and the status of the project.
- Directed all reports and materials from initial status; estimates to final quality check.
- Coordinate the final survey presentation with the teammate.

International Admissions and Recruitments of Northern Arizona University

Position - Student Administrative Assistant

March 2021 – Present

- Assist and organize events for International Student Orientations.
- Manage, execute and follow-up of special projects as assigned for both undergraduate and graduate admission coordinators.

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EDUCATION

**NORTHERN ARIZONA UNIVERSITY
FLAGSTAFF, AZ**

GPA: 3.74

**Bachelor of Science (BSc) Mechanical
Engineering Candidate (Expected graduation
December 2022)**

TECHNICAL SKILLS

Computer Aided Design (CAD)

Solid works modeling with advanced techniques.

Computing

MS Office, Intermediate MATLAB, and Python

Project Management

Agile Methodology, Meister task, Sunapsis,
Trello Breakdown structures and Budgeting

LEADERSHIP AND INVOLVEMENT

Alpha Omicron Pi (AOPI)

Theta Omega Chapter

Alumnae Relations Chairperson

Jan 2021 – December 2021

- Planning and conducting major events.

Tau Beta Pi – Engineering Honour Society

Member

May 2021 – Present

AREAS OF INTEREST

- CONSTRUCTION & MANAGEMENT
- AEROSPACE
- MECHATRONICS FIELD
- QUALITY ASSUARNC E
- PROCESS ENGINEERING