

Dominique Taylor

STUDENT OF CHEMICAL ENGINEERING

Salt Lake City, Utah | 435.238.6554 | Dom2000Dom@gmail.com

Education

University of Utah, Bachelor of Science Chemical Engineering

Spring 2027

Major: Chemical Engineering | Minor: Chemistry |

Projects

Machine Learning Project-(SUU course based)

May 2024

- Developed a predictive system using neural networks to calculate optimal mass airflow for combustion engines, enhancing performance and cost efficiency through innovative resource utilization.

Machine Learning and AI Lab Technician-SUU- (15-20 hours/week)

Feb. 2024- Aug. 24

- Developed systems for a lab space at the engineering department to use for coursework teaching students how to use AI/ machine learning.

Work experience

Student Custodian

-Union center-

(20 Hours/week)

Oct 2024-Present

- Maintain a clean and safe environment by efficiently cleaning offices, hallways, and bathrooms, ensuring a positive and hygienic space for staff and students.

Bench Technician

- Swann Technology -

(20-40 hours/week)

April 2021-Feb. 2023

- Diagnosed and repaired electronic equipment and components, ensuring functionality and reliability while minimizing costs.
- Maintained high-quality standards through precise assembly, calibration, and testing of devices, contributing to overall product performance.

Manager

- Holiday Oil, Herriman -

(40-60 hours/week)

May 2023-Sept. 2023

- Increased team productivity and morale by providing training, setting clear expectations, and fostering a collaborative work environment
- Led daily operations, including staffing, inventory management, and customer service, to ensure efficient store performance and customer satisfaction

Contract Work

Assistant

- Whitney Hall/Legacy Flooring -

(40 hours/week)

May 2024-Sept 2024

- Improved team efficiency and project outcomes by applying attention to detail, proactive problem-solving, and crew management skills, enabling successful completion of larger installations.

Bench Technician - OBSM EPIK LLC- (20-40 hours/week) Oct 2017-Nov 2019

- Optimized manufacturing efficiency by discovering and documenting effective assembly line processes for a new product, improving production workflow and consistency.
- Enhanced machinery performance by assisting in maintenance and implementing improvements, reducing downtime and increasing operational reliability.

3D Model Designer – Confidential – (10 hours/week) July 2024 – present

- Created detailed 3D prototypes and subdivision models to attract investors, resulting in new partnerships and manufactured products.

Volunteer

Missionary: The Church of Jesus Christ of Latter-Day Saints ,Los Angeles, CA March 2019-21

- Improved English proficiency for refugees and new immigrants by teaching tailored lessons and confidence in speaking.
- Enhanced team performance by mentoring missionaries and setting measurable goals, resulting in increased service outreach and personal development.
- Strengthened emotional/spiritual well-being for individuals and families by offering spiritual guidance, leading to greater resilience and unity.

Boy Scouts: Eagle scout **2012-17**

- Supported community needs by executing and participating in service projects, improving local facilities and resources.
- Developed practical problem-solving and leadership skills by organizing and participating in survival training and team activities, fostering preparedness and teamwork.

References

- **Nathan Cahoon:** Assistant Store Manager, Holiday Oil #36
Mobile: +1-385-296-8002
Relation: former Coworker
- **Steve Swann:** CEO of Swann Technologies
Mobile: +1-760-803-7205
Relation: Mentor/ Former Employer