

LIBA A. SNYDER

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libasnyder.com

Education

State University of New York at Buffalo

Bachelor of Mechanical Engineering and Bachelor of Aerospace Engineering

Expected Graduation: May 2027

Buffalo, NY – United States

- Undergraduate Researcher — The CRASH Lab

- Key Courses: Dynamic Systems & Controls, STEM Communications

State University of New York at Rockland

Associate of Engineering Science and Associate of Natural & Physical Sciences

Graduated: May 2025

Suffern, NY – United States

- Sam Draper Honors Student & Phi Theta Kappa — **GPA: 3.98**

- Key Courses: Engineering Design & Graphics, Honors Public Speaking

Work Experience

Express Passport

Passport Courier

September 2023 - Present

Spring Valley, NY - United States

- Delivered and retrieved passports for government agencies while maintaining strict **chain-of-custody** and **confidentiality** requirements.
- Operated under legal courier licensing regulations to ensure **compliance** with U.S. Department of State security protocols.
- Coordinated **logistics** and delivery schedules between private clients and government offices to meet expedited service deadlines.

Rockland Industrial Development Agency

April 2025 - August 2025

Suffern, NY - United States

Research Intern — Grant-Funded Research

- Developed a **MATLAB-based GUI** integrating circuit models and electrochemical governing equations to **optimize** electrolyte parameters and improve cycle efficiency.
- Conducted cyclic voltammetry to characterize system response, signal sensitivity, and noise behavior, and **analyzed** results using **MATLAB** and **Excel** to inform iterative design changes.
- Prepared multi-step electrochemical working electrodes and collaborated with faculty mentors and research partners, **presenting findings** to the Rockland IDA Board.

Manche Pani Restaurant

Jan 2023 - Jan 2024

Airmont, NY - United States

Operations & Service Associate

- Managed high-volume service operations while maintaining **accuracy**, **efficiency**, and customer satisfaction under strict time constraints.
- Prioritized and coordinated multiple concurrent tasks in a **fast-paced environment**, adapting quickly to changing conditions.
- Identified and resolved operational issues in **real time**, including order discrepancies and workflow bottlenecks, while collaborating with team members to maintain consistent quality and sanitation standards.

Leadership & Involvement

Biology Club, President | State University of New York at Rockland

Spring 2024

- Led **research-focused** events, coordinated **interdisciplinary projects**, and facilitated student engagement around scientific inquiry.

President's Society, Member | State University of New York at Rockland

Spring 2025

- Selected for **academic excellence** and leadership; engaged with donors and administrators on **institutional initiatives**.

Community Support Volunteer | Nonprofit Community Organization

2019 – 2022

- Provided consistent one-on-one support through structured activities, adapting communication to individual needs and demonstrating **long-term reliability**.

Technical Skills

Engineering & Design: SolidWorks, Robotics, 3D Printing

Analysis & Technical Tools: MATLAB, Electrochemistry, GitHub, Technical Documentation