

Ian R. Van Loo

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EDUCATION

Bates College, Lewiston, ME 2021-2025
Biology Major, Chemistry Minor
3.87 Cumulative GPA | 3.89 BCPM GPA

WORK EXPERIENCE

Central Maine Medical Center, Volunteer Staff Fall 2023-present

- Assisting with patient discharges, lab sample transportation, and various weekly departmental projects.
- Providing a welcoming hospital environment for all patrons.

Seattle Tennis Club, Fitness Attendant 2020-2023

- Supervised satellite athletic facilities, provided technical assistance with equipment, and trained new hires.
- Communicated effectively with members and colleagues to ensure smooth club operation.

April Horton's Laboratory, Research Assistant Summer 2023

- Wet lab involving skills such as RT- qPCR, cell culturomics, DNA/RNA extraction, micropipetting, confocal microscopy, and literature review.
- Quantified the effects of different drug dosages on the success of host-algal symbiosis within freshwater sponges and on relative gene expression.
- Determined aspects of the symbiotic molecular pathway to establish a foundation for future senior thesis projects.

Course – Related Research Projects

- Evaluated the effects of differing diets and supplements on the rumen and fecal microbiomes of dairy cattle in relation to methanogenesis.
- Assessed a variety of growth conditions for ideal biomass and lipid extract yield across several microalgae species for production and use as biofuel.

ATHLETIC EXPERIENCE

Bates Men's Rowing, Division III Varsity Rower

- Ongoing, 20+ hours/week for 25 weeks/year, Stroke seat – Men's 2nd Varsity 8
- IRCA Scholar Athlete Recognition

RELEVANT SKILLS

Project Management, Teamwork, Leadership, Organization, Adaptability