

AJ SULLIVAN

PROFESSIONAL SUMMARY

Passionate about addressing the urgent challenges of climate change, I have witnessed firsthand the profound impact on the Pacific Northwest's environment, outdoor economy, and public health. With a STEM-focused educational background, hands-on experience as a chemical technician, and a vision to bridge the gap between climate science and business, I am seeking enrollment in Evergreen College's Master of Environmental Studies program.

SKILLS

- Industrial Wastewater Treatment
- Working knowledge of Laboratory Information Management Systems
- Interdiscipline communication
- Onsite and field sample collection, processing and analysis
- Knowledge of inorganic, organic, analytical and physical chemistry
- Environment, Health and Safety Compliance
- Hazardous materials handling, waste management and sample prep
- Microsoft Office
- Spectroscopy, Chromatography, Biuret Assays and other common analytical techniques
- Microscopy
- Data Synthesis and Analysis
- Scientific Writing

EDUCATION

University of Washington, Bothell, WA

Bachelor of Science, Chemistry, Computer Science and Software Engineering, 08/2018

- Full Biochemistry series including metabolism and molecular biology
- Undergraduate Research: Collected and processed field samples of *Nereocystis luetkeana* kelp and conducted experiments to investigate the source of carbon monoxide gas inside the pneumatocyst
- Quantitative Environmental Analysis
 - Analyzed rainwater samples for pH, nitrate and sulfate by ion chromatography
 - Collected car exhaust samples and analyzed for BTEX compounds using GC-MS

South Seattle College, Seattle, WA

Associate of Science, Chemistry, 06/2016

- Member of Phi Theta Kappa Honor Society
- Received the RST Onsite Scholarship

WORK HISTORY

CLEANING, PASSIVATION AND VERIFICATION 07/2023 to Current **Blue Origin, LLC**, Kent, WA

- Immersion and flow-through cleaning and passivation of aerospace hardware
- Inspect hardware using visual, UV, borescope, microscopic particle count, and high-precision weighing methods

CHEMICAL SUPPORT 02/2020 to 05/2023 **Asko Processing, Inc**, Seattle, WA

- Trained, supervised and directed a team of 5 chemical technicians
- Managed wastewater treatment and discharge systems
- Established a new pollution control system for Zinc Nickel Plating
- Built, maintained, analyzed and adjusted process solutions for metal finishing
- King County Department of Natural Resources and Parks Industrial Waste Program 2020 Gold Award, 2021 Silver Award
- Boeing Plating Porosity Meter certified
- Safety Committee member

LAB AIDE 02/2016 to 02/2019 **Hematologics, Inc**, Seattle, WA

- Maintained safety and cleanliness of the laboratory for ease of use to scientists
- Completed regular quality control of instruments
- Prepared post-wash solutions for fluorescence in-situ hybridization (FISH)
- Processed specimens for storage using centrifugation and aspiration

ARTIST/LABORER 01/2014 to 01/2016, 09/2018 to 01/2020 **Undersea Aviary**

- Used skills in welding, masonry, tiling, grouting, electrical work, rebar and concrete to assist a professional artist in ambitious art and landscaping projects.

RELEVANT CERTIFICATIONS

- RCRA and DOT Hazmat Training
- Competency Assessment Program 2018: OSHA Hazard Communication and Chemical Hygiene, Bloodborne Pathogens, and Electrical Safety