

Conor Frizelle

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Education

University of Washington

Bachelor of Science of Chemistry, ACS Certified, Departmental Honors

Bachelor of Science of Applied Mathematics

Expected Graduation: **June 2029**

Lab Experience

Water Quality Laboratory Intern

City of Bellevue, Utilities Department

September 2025 – June 2026

- Designed phthalate leaching lab procedures
- Researched plasticization properties of di (2-ethylhexyl) phthalate (DEHP)
- Studied the degree to which DEHP leaches into an aqueous environment
- Discovered new evidence of phthalate contamination in storm drain markers

Undergraduate Student Researcher

University of Washington, Chemistry

February 2026 – Present

- Applying mathematical approaches to unsolved physical quantum light problems.
 - Updating statistical models to better understand the temporal and spectral correlation between photons.
 - Designing spectroscopic methods to analyze terahertz pump-probe pulses.
 - Set up lab spaces: including optics tables, fume hoods, and Schlenk lines.
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Publications

1. **Frizelle, C.** (in review). *Preliminary analysis of phthalate composition in plastic storm drain markers*. Oxford Environmental Toxicology and Chemistry.