

Michele Gagnon

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Professional Experience

Senior Laboratory Technician August 2017 to Present

- Preparation, prioritization, and analysis of multiple types of flour.
- Track, record, and report results from 42 mills via Online LIMS; Matrix.
- Routine maintenance of analytical machinery and safety equipment.

Lab Assistant, George Mason University
October 2015 to June 2017

- Organic and aqueous extraction of organic matter for GC-FID and HPLC analysis.
- Batch sample preparation, aliquot, storage, and organization.
- Chemical preparation and standardization for student laboratory experiments.
- SPME analysis for GC-MS and sample preparation and analysis for GC-FID.
- Chemical QA/QC by FTIR and UV-Vis Spectroscopy.

Nuclear Plant Chemical Supervisor, United States Navy June
2003 to July 2010

- Scheduled, oversaw, and performed weekly, monthly, and yearly preventative mechanical and chemical maintenance for steam plant and reactor plant systems.
- Sampled and analyzed radioactive water to monitor corrosion and cross contamination.
- Applied trend analysis to monitor reactor and steam plant chemistry and investigated anomalies.
- Coordinated with multiple departments to prepare a nuclear reactor and steam plant systems for proper operation and monitoring after reactor core replacement.
- Documented and tracked hazardous radioactive material generated from reactor plant operations.

Key Skill Sets:

Education

George Mason University May 2017

Master of Science in Chemistry

George Mason University May 2015

Bachelor of Science in Chemistry and Minor in Biology

Olympic College August
2012

Associate's Degree in Science

Navy Nuclear Propulsion Program June
2003

- Chemical and Radiological instruction and performance school
- Nuclear Mechanical instruction and performance school

Achievements and Awards

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- George Mason University Inorganic and Solid State laboratory manual (2017)
- American Chemical Society Senior Award (2015)
- Dean's List (2013)
- Navy Achievement Medal for work during reactor refuel and chemistry conversion (2009)