

Jacob P. O'Connell

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EDUCATION

University of Massachusetts Lowell, Lowell MA
Bachelor of Science in Chemistry (2018)
Concentration: Forensic Science

SKILLS

Laboratory: Solid Phase Extraction, Liquid-Liquid Extraction, GC-MS, ELISA, GC-FID, Conway Diffusion, LC/MSMS

EXPERIENCE

Forensic Scientist II (March 2020-Present)

Massachusetts State Police Crime Lab, Maynard MA

- Perform duties as described below
- Perform technical and administrative review of analyses
- Conduct report preparation for assigned cases

Forensic Scientist I (March 2019- March 2020)

Massachusetts State Police Crime Lab, Maynard MA

- Performed screening, confirmation, and quantitation analyses on postmortem biological specimens using a variety of chemical, physical and instrumental methodologies and techniques in order to determine the presence of alcohol, drugs and poisons.
- Maintain the chain of custody and integrity for all evidence handled.

Lab Technician (October 2018-March 2019)

Doble Engineering, Watertown MA

- Analyzed various dissolved gases in transformer oil samples using gas chromatography
- Performed multiple analytical and screening methods on transformer oil samples