Yann-Sebastien Tremblay-Johnston

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 underchemist

Experience

Sept 2014 – Apr 2015 **Laboratory Teaching Assistant**, *University of British Columbia*, Vancouver.
- Directing and instructing 24 first year chemistry students in wet chemistry skills and scientific writing skills for 4 hours/week.

May 2013 – Aug 2013 **Undergraduate Research Assistant**, *McGill University*, Montreal.
- Synthesized and characterized gold nanoprisms for functionalization with polymer sidechains.
- Used UV-Vis-NIR absorption spectroscopy and transmission electron microscopy for characterization.

Education

Sept 2014 – Present **M. Sc.**, *University of British Columbia*, Vancouver.
Chemistry

Sept 2012 – Apr 2014 **B. Sc.**, *McGill University*, Montreal, *3.68/4.00*.
Honours chemistry, minor mathematics

Skills

Computational
- Experienced UNIX user including interacting with remote servers over SSH protocols.
- Languages: Python, Matlab, bash scripting, some experience in C/C++.
- Tools: Github, Travis-CI, and various dev command line tools. Familiar with more general data analysis frameworks and setting up basic linux server for web/data analysis.

Laboratory
- UHV: Usage, repair and maintenance experience of ultra-high vacuum, cryogenic instrumentation, as well as UHV ex/in-situ sample preparation.
- STM: Detailed understanding of Createc low temperature STM system.
- Wet chemistry: Fumehood setup, extraction and purification methods, sample preparation via spin-coating.

Awards

2014 **Quantum Electronic Science & Technology Award PhD funding**.

2013 **NSERC Undergraduate Student Research Award**.

2012 **Alfred Arthurs Scholarship**.