

Anastasia Alksnis

Toronto, Ontario
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Highlights of Qualifications and Skills

General Skills: data analytics, leadership, teamwork, independent work, communication, time management, organization, adaptability, proactive, creativity, problem-solving, critical thinking

Software: Microsoft Office (Word, Excel, Powerpoint, Outlook), FactSage, HSC Chemistry, Granta CES Selector

Laboratory Skills and Analysis Techniques: Operating and using lab equipment such as furnaces, gas analyzers, TGA, DSC, SEM, XRF, and XRD

Education

MASc in Materials Science & Engineering
University of Toronto

2017 – September 2019
Toronto, Ontario

BASc in Materials Science & Engineering
University of Toronto

2012 – 2017
Toronto, Ontario

- Minor in Bioengineering

Certificate in French Studies
Université Sainte-Anne

2013
Pointe-de-l'Eglise, Nova Scotia

Experience

Master's Thesis
Sustainable Materials Processing Lab, U of T

2017 – present
Toronto, Ontario

- Studied the kinetics and thermodynamics related to roasting nickel tailings to convert it to an environmentally and economically viable resource material
- Designed and executed project scope, milestones, timelines, experiments, data analysis, and documentation

Undergraduate Thesis
Functional and Adaptive Surfaces, U of T

2016 – 2017
Toronto, Ontario

- Studied properties and effectiveness of PDMS SLIPS as a fouling-release coating for zebra mussels
- Worked with a partner to determine project objectives, collaborate on research and experiments, and prepare final report and poster

Co-Founder
Hol Food

2015 – 2019
Toronto, Ontario

- Participated in U of T incubator program, Hatchery, to develop company vision, refine the product, determine customer demographic, and prepare pitch decks for investors
- Contributed to company growth planning, branding and product design initiative, social media presence, and customer service

Anastasia Alksnis, Toronto, Ontario
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Junior Billing Analyst 2015-2016
Meter-to-Bill, Hydro One Markham, Ontario

- Project management which required organizing and leading meetings, developing reporting protocols and work instructions, and designing complex excel spreadsheets for monitoring KPIs
- Regular tasks included preparing decks, document collection for auditing, monitoring KPIs

Summer Research Student Summer 2014
Department of Materials Science and Engineering, U of T Toronto, Ontario

- Worked in team setting to research and develop new laboratory experiments and in-lecture demonstrations for the MSE101 curriculum
- Produced lecturing guide with graphics for summarizing key learning outcomes from lectures

Inorganic, Organic, and Biology Lab Student 2013 - 2017
U of T Toronto, Ontario

- Learned standard protocols for working safely in a lab setting, WHMIS

Additional Experience

Teaching Assistant <i>Department of Materials Science and Engineering, U of T</i>	2017-2019
Events Co-ordination <i>Sustainable Materials Processing Lab, U of T</i>	2018-2019
Events Director <i>MSE Club, U of T</i>	2013-2014
First Year Class Representative <i>MSE Club, U of T</i>	2012-2013

Publications

A. Alksnis, B. Li, R. Elliott, and M. Barati, "Kinetics of Oxidation of Pyrrhotite", Extraction 2018, Springer, Cham: 403-413, 2018.

Awards

US Steel Scholarship	2018
Faculty of Applied Science and Engineering Summer Research Fellowship	2014
TD Bank Higher Education Scholarship	2012
Team Tim Hortons Scholarship	2012