

## 2020 Graduates

Name: **Alexander Watson**

Specialization: Chemistry

Hometown: London, ON

Contact Information: awatso92@uwo.ca

Interests: Baseball, volleyball

Favourite movie: Goodfellas

Favourite artist: PUP

Dream destination: at this point, anywhere would be welcome

Thesis: "Polymer functionalization"

CEL Project: Commercial water claims: How Londoners perceive their drinking water

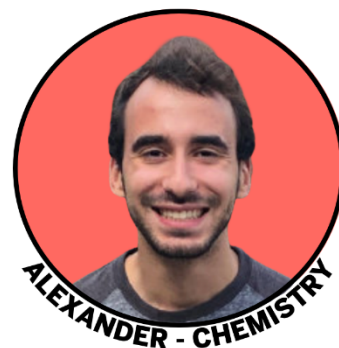
Post-graduate education: Graduate Studies in Chemistry, Western University

Notable undergrad science courses: Chem 3320 Polymer Chemistry

Student work experience: Inorganic Chemistry Exchange (ICE) program, University of Alberta

Current work: N/A

Career goals: N/A



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Name: **Jonak Randhawa**

Specialization: Chemistry

Hometown: Ajax, ON

Contact Information: jrandha8@uwo.ca

Interests: Working out, Netflix, reading, basketball

Favourite movie: The Dark Knight

Favourite artist: 6lack

Dream destination: Spain

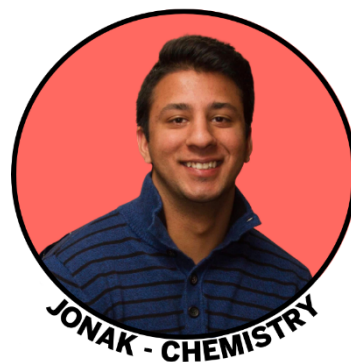
Thesis: "Myoglobin as a Peroxidase"

CEL Project: Sewer outreach and control

Post-graduate education: Med School Applicant

Notable undergrad science courses: Chem 4494 Biophysical Chemistry, Chem 3374A Quantum Chemistry

Notable undergrad non-science courses: Classics 2200 Classical Mythology, English 2092F Special Topics in Popular Literature



Student work experience: Research Associate, Barry Lab, Inorganic Chemistry Exchange (ICE) program, Carleton University

Current work: N/A

Career goals: Pediatrics, sports medicine

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### **Tony Nguyen**

Specialization: Chemistry

Hometown: London, ON

Contact Information: tnguy366@uwo.ca

Interests: Bicycling, hiking, badminton, basketball, video games

Favourite movie: Sixth Sense

Favourite artist: Playboi Carti

Dream destination: Asia

Thesis: "Probing the anion exchange capabilities of metal-organic frameworks"

CEL Project: Big Bike Giveaway

Post-graduate education: Graduate Studies, University of Calgary

Notable undergrad science courses: Integrated Sci 2002 Big Data and Mathematical Modeling, Integrated Sci4999 Integrated Research Project

Notable undergrad non-science courses: Health Sci 2610 Introduction to Health Ethics

Student work experience: Volunteer, O'Donoghue Lab, Western University; Inorganic Chemistry Exchange, University of Manitoba

Current work: N/A

Career goals: Consulting, science policy, patent law

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### **Anastasia Maria Codireni**

Specialization: Physics

Hometown: Midland, ON

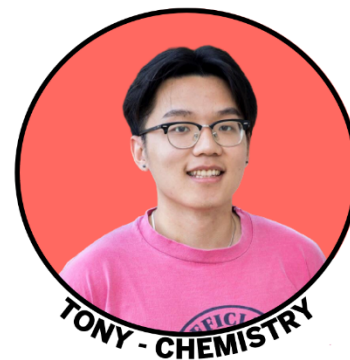
Contact Information: acodiren@uwo.ca

Interests: Marching band, rock climbing, hiking, home build projects, sailing

Favourite movie: Happy Feet

Favourite artist: Rammstein

Dream destination: Italy



Thesis: "Luminescence and defect engineering, silicon quantum dots in alpha-alumina"

CEL Project: Public perception of clinical trials

Post-graduate education: MEd in Biomedical Engineering, Western University

Notable undergrad science courses: Integrated Sci 3001 Materials and Biomaterials, Astro 2020 Two-Eyed Seeing and Astronomy

Notable undergrad non-science courses: History 2192 History of Beer

Student work experience: Research Assistant, Universitat Albert Ludwigs, Freiburg im Breisgau, Germany; Research Assistant, Nanophysics Research Group, Western University

Current work: N/A

Career goals: Biomedical engineering, medical device policy

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### **Carmen Venier**

Specialization: Chemistry

Hometown: Ottawa, ON

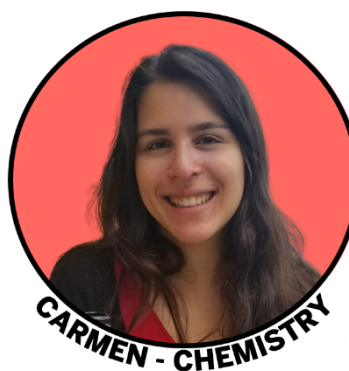
Contact Information: [cvenier2@uwo.ca](mailto:cvenier2@uwo.ca)

Interests: Dancing, hiking, and cooking

Favourite movie: The Princess Bride

Favourite artist: Shakey Graves

Dream destination: Japan



Thesis: "Ligand design for sequestering heavy metals for application in waste water treatment"

CEL Project: Cannabis Supply Company

Post-graduate education: Masters Environmental Science, University of Guelph

Notable undergrad science courses: CHEM 3320 Polymer Chemistry, INTEGSCI 2001F Sustainability and Environment

Notable undergrad non-science courses: Political Sci 3343 EU: The Politics of Integration (studied in Belgium)

Student work experience: Research Assistant, Banerjee Lab, Western University

Current work: N/A

Career goals: Environmental science education

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### **Manraj Khurana**

Specialization: Biology  
Hometown: Brampton, ON  
Contact Information: manrajkhurana35@gmail.com



Interests: Research, science, business, technology, policy, ultimate frisbee, basketball, music  
Favourite movie: Iron Man  
Favourite artist: Drake  
Dream destination: Japan

Thesis: "Carbohydrate metabolism shift over time in tubers in response to mechanical wounding stress"

CEL Project: Cannabis Science Marketing

Post-graduate education: Peter A. Allard School of Law, University of British Columbia

Notable undergrad science courses: Bio 3436 Animal Behaviour

Notable undergrad non-science courses: N/A

Student work experience: Summer Research Student

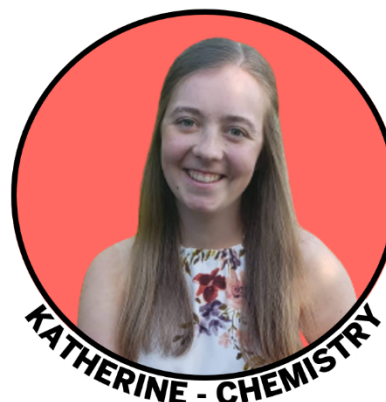
Current work: N/A

Career goals: Environmental law

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### **Katherine Teeter-Wood**

Specialization: Chemistry  
Hometown: Markdale, ON  
Contact Information: katherineteeterwood@gmail.com



Interests: Farming (owner of 80 cows)  
Favourite movie: N/A  
Favourite artist: Alan Jackson  
Dream destination: Newfoundland

Thesis: "A case study investigation into the prevalence of mycotoxins in beef cattle feed"

CEL Project: Big Bike Giveaway

Post-graduate education: MSc in Plant Agriculture, University of Guelph

Notable undergrad science courses: Bio 3660 Plant Metabolism

Notable undergrad non-science courses: Antro 1026 Intro to Biological Anthropology

Student work experience: Agriculture Research Assistant, Bonduelle; Summer Research Student/Honours Thesis Student, Agriculture Canada

Current work: N/A

Career goals: Plant metabolism (forage and/or vegetable crops)

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### **Devanshi Shukla**

Specialization: Biology  
Hometown: Guelph, ON  
Contact Information:

Interests: Research, student government, painting, reading  
Favourite movie: Lion King  
Favourite artist: Post Malone  
Dream destination: Alaska

Thesis: ""Effects of Mutant Janus Kinase 3 on the proliferation and reactive oxygen species production in Wild Type Mouse Pro-B cells""

CEL Project: Big Bike Giveaway

Post-graduate education: Schulich School of Medicine, Western University

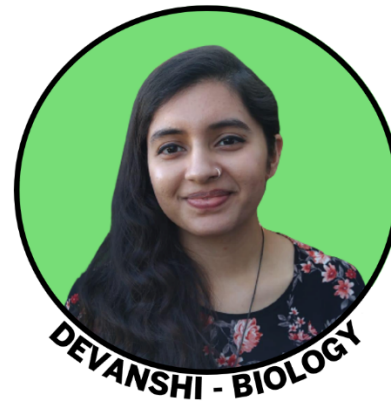
Notable undergrad science courses: Bio 2280 Biochemistry

Notable undergrad non-science courses: Health Sci 2610 Introduction to Health Ethics

Student work experience: Research Assistant, Ivey Eye Institute, St. Joseph's; Research Assistant, Plant Agriculture Department, University of Guelph

Current work: n/a

Career goals: Paediatric doctor, global health, medical volunteer



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### **Jonathan Abbruzzese**

Specialization: Environmental Science  
Hometown: Wasaga Beach, ON  
Contact Information: abbruzzesejonny@gmail.com



Interests: Intramurals, guitar, gaming, reading, working out  
Favourite movie: Christmas Carol  
Favourite artist: Iann Dior  
Dream destination: N/A

Thesis: "Micro plastic accumulation in arctic fish species"

CEL Project: Water contamination in the London water system

Post-graduate education: MSc in Management & International Business, Ivey School of Business, Western University

Notable undergrad science courses: N/A

Notable undergrad non-science courses: Classics 2200 Classical Mythology

Student work experience: N/A

Current work: N/A

Career goals: Scientific consultant

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### **Athy Aravinthan**

Specialization: Astrophysics  
Hometown: Scarborough, ON  
Contact Information: aaravin2@uwo.ca

Interests: Physics, aerial silks, videography, figure skating  
Favourite movie: Om Shanthi Oshaana  
Favourite artist: Sid Sriram  
Dream destination: Switzerland

Thesis: "Analyzing the time dependent non-linear Schrödinger equation"

CEL Project: Sewer Outreach and Control

Post-graduate education: Masters in Gravitational Astro-Particle Physics, University of Amsterdam

Notable undergrad science courses: Philosophy 2320, Philosophy for Integrated Science

Notable undergrad non-science courses: n/a

Student work experience: Intra-Cluster Light Research, Summer Undergraduate Research Program (SURP), University of Toronto

Current work: N/A

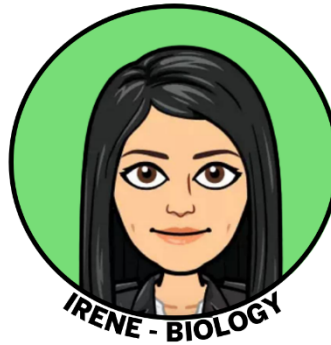
Career goals: PhD, academia



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**Irene Zhu**

Specialization: Biology  
Hometown: Markham, ON  
Contact Information: izhu@uwo.ca



Interests: Volleyball, varsity frisbee, lifting, impact investing, learning languages, teaching  
Favourite movie: The Matrix  
Favourite artist: Conan Gray  
Dream destination: Australia

Thesis: "Classifying genomic signatures in Metschnikowia yeast species with Machine Learning Digital Signal Processing"

CEL Project: KGK Science

Post-graduate education: HSP in Nutrition and Dietetics, Brescia, Western University

Notable undergrad science courses: Bio 3592 Human Genetics, Stats 2244 Statistics for Science

Notable undergrad non-science courses: French 2900 Advanced Language

Student work experience: Research Assistant, Polyanalytik; Public Health Intern, Edmonton Federation of Community Leagues; Investment Associate, Front Row Ventures; Intern, Kuerpo Health

Current work: N/A

Career goals: Dietetics, entrepreneurship, education, academia

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**Jermiah Joseph**

Specialization: Computer Science  
Hometown: Brampton, ON  
Contact Information: jjosep56@uwo.ca

Interests: Programming, music (guitar/producing), tech  
Favourite movie: Zathura  
Favourite artist: Lin Manuel Miranda  
Dream destination: Japan

Thesis: "Uncertainty Quantification of model cardiomyocyte electrical activity using data science methods: a high performance computing application"

CEL Project: Big Bike Giveaway: Helping the London Community one bicycle at a time

Post-graduate education: Master's in Medical Biophysics, Western University

Notable undergrad science courses: Any Integrated Sci Course

Notable undergrad non-science courses: Health Sci 2300 Anatomy

Student work experience: Summer Researcher, Kidney Clinical Research Unit, Victoria Hospital

Current work: N/A

Career goals: PhD, clinical scientist

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### **Yousir Aldin**

Specialization: Chemistry

Hometown: London, ON

Contact Information: [yousir.aldin@gmail.com](mailto:yousir.aldin@gmail.com)

Interests: Swimming, painting/drawing, hiking, travelling, going to the beach

Favourite movie: A Walk to Remember

Favourite artist: N/A

Dream destination: Thailand

Thesis: "Preparation and Characterization of Gelatin Methacryloyl (GelMA) - Silicate Nanoparticle Hydrogels for Drug Delivery: Synthesized hydrogels, and characterized them chemically and physically"

CEL Project: London hydro tap water

Post-graduate education: N/A

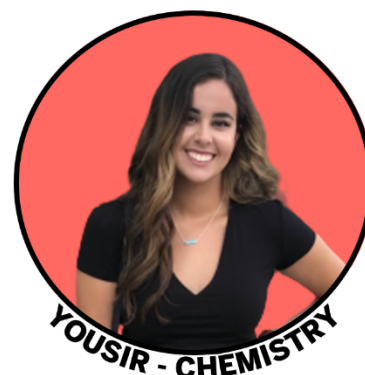
Notable undergrad science courses: Chem 2271 Inorganic Chemistry, Chem 3374 Quantum Chemistry

Notable undergrad non-science courses: (formerly) Third Year Guitar, Geography 2060 World Cities

Student work experience: N/A

Current work: Chemical Scientist, Arlanxeo

Career goals: Forensic science



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### **Nicholas James McMaster Popiel**

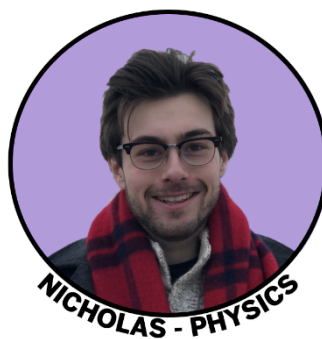
Specialization: Physics

Hometown: Toronto, ON



Contact Information: [nicholas.popiel@bell.net](mailto:nicholas.popiel@bell.net)

Interests: Guitar, reading, hiking, exploring  
Favourite movie: Lord of the Rings  
Favourite artist: Pink Floyd  
Dream destination: Greece



Thesis: "A quasi-quantum approach to brain dynamics; Modelling EEG data using quantum mechanics"

CEL Project: Sewage waste treatment London

Post-graduate education: MPhil in Physics, University of Cambridge

Notable undergrad science courses: Relativity, Quantum Mechanics II, Statistical Physics

Notable undergrad non-science courses: History of Pirates

Student work experience: Research Assistant, Fanchini Lab, Western University; Research Assistant, Soddu Lab, Western University

Current work: N/A

Career goals: Academia, quantum interactions, material properties

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### **Kristyn Bennett**

Specialization: Biology  
Hometown: Barrie, ON  
Contact Information: [kbenne44@uwo.ca](mailto:kbenne44@uwo.ca)

Interests: Hockey, camping, hiking  
Favourite movie: The Princess Diaries  
Favourite artist: The Lumineers  
Dream destination: Ireland



Thesis: "How will climate change affect photosynthetic capacity in black spruce trees?"

CEL Project: High on Life; Medical Cannabis Supply Co.

Post-graduate education: N/A

Notable undergrad science courses: biology of the fungi, ecophysiology of plants, animal physiology

Notable undergrad non-science courses: Art History 1644 Art Science and Technology, Art History 2632 Canadian Art, Gender, Sexuality and Women's Studies 1020 Introduction to Gender and Women's Studies

Student work experience: Volunteer, Way Lab, Western University; Climate Change Research Assistant, Ministry of Natural Resources

Current work: N/A

Career goals: Continue education