Christina Pizzonia

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EXPERIENCE

Summer Research Student May 2022 - Aug 2022
Passeport Lab *Toronto, ON*

- Processed stormwater samples via density separation & organic digestion (in accordance with lab SOPs)
- Analyzed microplastic content data in Microsoft Excel to determine sources of error & improve accuracy of counted samples by >50%
- Performed a literautre review (15 papers) on organic contaminant extraction methods

Research Assistant May 2021 - Nov 2021
SickKids Hospital *Toronto, ON*

- Created and presented figures using BioRender to illustrate the mechanisms behind current advances in cancer immunotherapy to incoming undergraduates

Tutor Mar 2021 - Present
Prestige Tutoring *Vaughan, ON*

- Developing lessons for neurodiverse students (grades 3-12) with parental input
- Have improved student scores by up to 25% in calculus, algebra, functions, chemistry, physics and elementary math

PROJECTS

Sauna Redesign: Designed a fully off-grid sauna in Rhino/Photoshop for Concord Investments' President David Delaney; Milestones followed a waterfall methodology and were tracked in Microsoft Project.

Manhattan Plots: Performed a GWAS (generated plots) to determine single nucleotide polymorphisms influencing ERAP-2 expression in Utah residents with EU ancestry and Yoruba individuals from Nigeria in R with data from the 1000 Genomes project.

SKILLS

Languages	C/C++, Python, MATLAB, R, LaTeX
Frameworks	Pytorch, TensorFlow
Web Development	HTML, CSS, JavaScript
PCB Design & CAD	AutoCAD, Rhino, Altium, LTSpice

EDUCATION

Bachelor of Applied Science, Computer Engineering, University of Toronto 2022 - 2027

- Dean's Honours List (cGPA: 3.97/4.00)
- Hardware Lead @ UofT iGEM, ECE Mentorship Program

Semester Abroad, University of Siena Summer 2023

- Summer Abroad outreach coordinator
- Static website documenting the experience in progress

Ontario Secondary School Diploma, University of Toronto Schools 2015 - 2021

- Governor General's Medal (highest cumulative average)