Hana Mirbagheri

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EDUCATION:

University of Toronto *Sept. 2021- May 2025*
- Engineering Science student, looking to specialize in Machine Intelligence in third year
- cGPA: 3.85
- Awarded Dean's Merit award
- Relevant Coursework: Computer Algorithms and Data Structures, Engineering Mathematics and Computation, Molecules and Materials

University of Toronto High School Neuroscience Course *Sept. 2019 - June 2020*
- Neurosci 101 course for high school students in preparation for the Toronto Brain Bee Competition
- Learned the fundamentals of Neuroscience, including the various basic structures and mechanisms of the brain

Our Lady Queen of the World Catholic Academy *Sept. 2017 - June 2021*
- Extracurriculars and Societies: Founder and President of Debate Club, President of Social Justice Council
- Relevant Coursework: AP Biology, AP Chemistry, Physics, AP Science

RESEARCH EXPERIENCE:

STEM Fellowship *July 2021 - Aug. 2021*
- Worked under the direction of my mentor, Adam Groh, to write a viewpoint article about 5 Aminolevulinic Acid fluorescence-guided surgery
- Researched its benefits and proposed reasons as to why the novel compound should be integrated as part of the standard of care, earning a publication in the STEM Fellowship journal
- Awarded top viewpoint article from 100+ articles and offered a publication in the STEM Fellowship journal worth $500 in value

Foundation for Student Science and Technology *Jan. 2020 - June 2020*
- Co-op student with Dr. Marina Nikolopoulos at the University of Toronto
- Responsible for writing a self-directed literature review on the genetic biomarkers relevant to Glioblastoma patients and assessing their value prognostic value
- Used research findings to show the potential for various therapies to prolong patient survival
- Developed a rigorous process to compare various studies and their respective methods in determining limitations and shortcomings

OTHER EXPERIENCE:

SHAD Canada *July 2019 - Aug. 2019*
- Attended award-winning summer enrichment program at McGill University
- Worked in a large team for the month to create a waste eliminating product
- Received various lectures and participated in activities with a heavy focus on entrepreneurship, effective teamwork, and collaboration

Royal LePage Your Community Realty Receptionist *Oct. 2020 - Present*
- Prepare legal documentation for various real estate transactions (Purchase and Sale offers, Waivers, Lease Agreements, Amendments)
- Issue receipts for down payments made on properties and process credit checks
- Enter and revise listings on the Multi Listing Service website

SKILLS:
- Knowledgeable in the following programming languages: Python, C, HTML and MATLAB
- Fluent in English, French, and Farsi
- Able to summarize academic articles and related data concisely, as well as provide critical analysis
- Able to communicate effectively in research reports and using scientific language

AWARDS:
- Toronto Real Estate Board Past President's Scholarship, $5000, *2021*
- First Overall Viewpoint Article at STEM Fellowship, awarded publication, $500, *2021*
- Dean's Merit Scholarship at the University of Toronto, $10000, *2021*
- Highest Academic Achievement in Physics, AP Chemistry, AP Biology, and AP Calculus at Our Lady Queen of the World Catholic Academy, *2019-2021*

REFERENCES:

Professor Allan Kuan
The University of Toronto, CIV101 course Professor
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Marina Nikolopoulos
The University of Toronto, Researcher
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