**Joaquin Lim**

**Contact Information**

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**Professional Statement**

Industrial engineering student with strong work ethic and motivation. Possesses excellent academic writing skills. Experienced in programming with MATLAB, Java, and Python.

**Education**

**Bachelor of Applied Science and Engineering (B.A.Sc) in Industrial Engineering + PEY Co-op**

University of TorontoSep. 2021 – Apr. 2026 (expected)

* Relevant Courses: Engineering Strategies & Practice, Modelling with Differential & Difference Equations, Probability, Fundamentals of OOP (Java), Psychology for Engineers, Engineering Economics and Accounting, Statistics, Operations Research (OR) I & II

**Skills**

Programming: MATLAB, Python, Java, R

Public Speaking, Active Listening, Critical Thinking, Persuasive Language

Academic Writing, Researching, Proofreading Skills

**University Project Experience**

**Steepest Descent Algorithm Project**  Oct. 2022 – Dec. 2022

Fundamentals of OOP (Java) Course, University of Toronto, Toronto, ON

* Designed optimization program to calculate minimum point of a function
* Augmented program to allow for input of multiple polynomials as a text file
* Modified functionality to utilize Fixed, Armijo, and Golden Section line searches

**Neuronal Plasticity Systematic Review**  Oct. 2022 – Dec. 2022

Psychology for Engineers Course, University of Toronto, Toronto, ON

* Formed initial review protocol collaboratively with team to define bounds and criteria for later research and analyses
* Performed Search and Screening Protocol to determine relevant studies for systematic review
* Extracted and summarized data for notable trends and findings within the field of neuroplasticity

**Device to Prevent Scalp Pressure Injuries for Burns Project** Jan. 2022 – Apr. 2022

Engineering Strategies & Practice Course, University of Toronto, Toronto, ON

* Drafted a Project Requirements document to outline the problem defined by the client, as well as necessary functions and scope of project
* Generated a Conceptual Design Specifications document to describe process utilized to determine the most optimal solution to the problem defined within the Project Requirements

Presented the overall progression and outcome of the project to an audience in a Design Review Gateway Presentation

**Extra/Co-Curriculars**

**Hart House Debate Club General Member** Sep. 2022 – Present

University of Toronto, Toronto, ON

* Participated in weekly debate practices organized within Hart House
* Developed public speaking skills and ability to provide compelling arguments in a competitive environment

**University of Toronto Cannon Newspaper Writer** Sep. 2021 – Present

University of Toronto, Toronto, ON

* Wrote and proofread articles for monthly newspaper
* Researched for topics and critically engaged with academic articles and studies

**Senator O’Connor College School Peer Tutor**  Sep. 2019 – Jun. 2021

Senator O’Connor College School, Toronto, ON

* Assisted underclassmen with studies in Mathematics over weekly sessions

**Math League General Member**  Sep. 2019 – Jun. 2021

Senator O’Connor College School, Toronto, ON

* Participated in writing monthly math contests, which encouraged critical thinking for mathematic concepts outside of curriculum