

# JOCELYN LIM

✉ j68lim@uwaterloo.ca

☎ (416) 884-3700

🔗 jocelym.github.io

🐙 github.com/jocelym

in linkedin.com/in/jocelynlm826/

## SKILLS

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- **Tools:** SOLIDWORKS, AutoCAD, GD&T, Git, Microsoft Office, Adobe Creative Cloud, LaTeX, Vim
- **Programming:** Java, Python, C++, JavaScript, HTML5/CSS, Microsoft Visual Basic
- **Languages:** English (Native), French (B2)

## EDUCATION

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University of Waterloo - 3.9 GPA

**Candidate for Bachelor of Applied Science Mechatronics Engineering, Honours**

📅 2020-2025

- **Courses:** Digital computation, Algorithms and Data Structures, Circuits, Mechatronics Engineering
- Engineering Society Novelties Director

## EXPERIENCE

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**Royal Bank of Canada – Innovation Developer**

📅 July 2019 – August 2019

📍 Toronto, Ontario

- Continuously improved the user interface and experience of a performance tracking web app using **HTML** and **CSS**
- Integrated backend servers using **Java Spring Boot** to easily extract student data from databases
- Brought a web application with **1.8k daily users** from development to widespread production

**WATonomous Mechanical Division – Core Member**

📅 January 2021 - Present

📍 University of Waterloo

- Work on a design team to create a **level four fully autonomous vehicle** to compete in a four year SAE competition with universities around the world
- Use **SOLIDWORKS** to design a waterproof and vibration proof PCB enclosure connecting a network of radars placed around the car to be **3D printed**

**Jojo's Factory – Founder and Creator**

📅 May 2020 – Present

📍 Markham, Ontario

- **Launched** and **produced** customized face coverings and mousepads
- Publicized products through **Instagram** and **Facebook** to drive new sales
- Created and produced an online **Shopify shop** to easily interact with customers

## PROJECTS

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**Friendship Lamp**

📅 November 2020

📍 Waterloo, Ontario

- Programmed and built colour co-ordinated lamps to change colours depending on user input and the colour of a sister lamp
- Leveraged **Firebase**, **Google Sheets API** to synchronize the change in color between both lamps using Python
- Designed and 3D printed a lamp shell using **SOLIDWORKS** to hold a Raspberry Pi and diffuse LED strip lights

**Actor Tracker**

📅 May 2020

📍 Toronto, Ontario

- Created a **Chrome extension** using **HTML**, **CSS** and **JavaScript**, and **Python** to identify celebrities in Netflix shows using facial recognition in 48 hours
- Used **Chrome APIs** to take screenshots of a scene triggered by a keypress or a button to send to the backend, and to locally save recently watched shows

**MP-Beats**

📅 September 2019

📍 Waterloo, Ontario

- Created and pitched a user interactive rhythm based project at **Hack The North**
- Created the interface for a game synchronized to music beats using **C++**