

# Austin Luu

MECHATRONICS ENGINEERING UNDERGRADUATE

Toronto, Canada

☎ (416) 451-3338 | ✉ austin.owen.luu@ryerson.ca | 🏠 austinluu.me | 📷 austinluu | 🌐 austin-luu

## TECHNICAL SKILLS

---

**Programming Languages** JavaScript, Java, C, Python, VBA, MATLAB

**Tools and Frameworks** HTML, CSS, React, jQuery, Git, LaTeX

## PROJECTS

---

### RUKPOP

[HTTP://RUKPOP.COM/](http://rukpop.com/)

2019

- Piloted design and development of end to end web applications for organizing sponsorship, navigation, event updates, and communication for Ryerson University's "Korean Pop Culture" student organization
- Maintaining, optimizing, troubleshooting, and improving web applications
- Developed user-friendly mobile first web application utilizing JavaScript, CSS, HTML managed on Bluehost

### Parallel Computing Drone Swarm

TEAM PROJECT @ PENNAPPS HACKATHON

2018

- Designed system and hardware architecture for a hazard detection 2D mapping robot which collects thermal, moisture, and relative location data from two autonomous IoT enabled ground drones; top 20th percentile of participants
- Developed with: Python, C/C++, MQTT Protocol, laser cutting, 3D printing, and Arduino 101s

### Greco

[HTTPS://GRECO.TECH/](https://greco.tech/)

2018

- Designed and developed a web application that allows users to rate locations and create a visual 'cleanliness' overlay of their local surroundings by using HTML, CSS, JavaScript, Python, Django, SQLite, and Google Maps API
- A crowd sourced application to raise awareness and identify problematic areas in local communities for cleanup events

## EXPERIENCE

---

### Celestica

Toronto, ON, Canada

PRODUCT DATA MANAGEMENT ENGINEER

May 2019 — Present

- Coordinate and manage \$5 million in global Aerospace & Defense cross-functional sourcing projects with buying, sourcing, design, and manufacturing departments to enable material procurement and manufacturing
- Consolidate, tabulate, and analyze reports on performance metrics through Microsoft Excel, CRM, and PowerBI

### Home Staging by K

Brampton, ON, Canada

LEAD WEB DEVELOPER

Sep. 2016 — Dec. 2018

- Led planning, design, and implementation of new and existing web services and applications; including an online report pipeline and a user-friendly front-end with JavaScript, CSS, HTML, using WordPress CMS
- Applied evaluation and development efforts of technical enhancements and modifications leading to 20% increased user pool

## EDUCATION

---

### Ryerson University

Toronto, ON, Canada

B.ENG IN MECHANICAL ENGINEERING

Sep. 2016 — April 2021

- CGPA: 3.74 | Dean's Honour List
- Robotics International Society of Manufacturing Engineers Award recipient
- Mechanical Eng. First Year Alumni Award recipient
- Relevant Courses: Data Structures & Algorithms, Digital Systems, Control Systems, Linear Algebra, Statistics