

# LAURA LU

✉ lulaura011205@gmail.com in lauralu1219 🌐 Laura011205 🌐 laura011205.github.io

## EDUCATION

---

**University of Toronto - St. George**

Bachelor of Science, Computer Science & Statistics

*Sep 2019 - Jun 2023 (Expected)*

**CGPA: 3.9/4.0**

### Relevant Coursework:

Software Design | Theory of Computation | Computer Organization | Data Structures & Analysis  
| Software Tools & Systems Programming | Statistical Analysis & Data Science | Probability with  
Computer Applications | Multivariable Calculus | Linear Algebra

## SKILLS

---

**Computer Languages**

Java, Python, R, Assembly, HTML, CSS

**Software & Tools**

Git, LaTeX, Figma, IntelliJ, PyCharm, VSCode

## PROJECTS

---

**Conference Management Program (Java)**

*Oct 2020 - Dec 2020*

- **Collaborated in a team of 7** to develop a highly extensible and testable conference management program by adhering to **Clean Architecture** and the **SOLID principles**
- Implemented a GUI using **Swing** and an event management system which incorporates serialization/deserialization, and **OOP design patterns** such as Dependency Injection, Factory and Façade

**Pixel Art Doodle Jump (Assembly)**

*Dec 2020 - Dec 2020*

- Created an alternate version of Doodle Jump using **MIPS Assembly** and the Bitmap Display Tool in **MARS** simulator
- Notable features: dynamic increase in game speed, restart options, different platform types, sound effects and smooth gameplay (achieved by implementing a buffer)

**Statistical Analysis of Auto Theft in Toronto Neighbourhoods (R)**

*Nov 2019 - Dec 2019*

- Analyzed **18000+** auto theft data records from the Analytics and Innovation team at Toronto Police Service by performing **data wrangling**, **exploratory data analysis** and **hypothesis tests** using **R**
- Reported findings and proposed lighting upgrades as solutions using isoslides in R Markdown

**Portfolio Website (HTML, CSS, JavaScript)**

*Jun 2020 - Jul 2020*

- Built a responsive portfolio website using **HTML**, **CSS** and **JavaScript** from scratch

## ACTIVITIES

---

**Tech Easy Foundation**

*Volunteer Coordinator & Club Executive*

*Sept 2017 - Jun 2019*

Burnaby, BC

- Received **Youth Citizenship Award** for major contribution in the organization 🏆
- **Coordinated** volunteers to provide technical assistance to seniors at retirement homes

**Mock Trial**

*Club Executive*

*Sept 2018 - Jun 2019*

Burnaby, BC

- BC Provincial Mock Trial Competition 2nd place 🏆
- **Led** weekly practice trials and competed in the Provincial Mock Trial Competition in a team of 8