

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: 3.8/4.0

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 Rmarkdown

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