

# LAURA LU

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## EDUCATION

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**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, Introduction to the Theory of Computation, Computer Organization, Data Structures and Analysis, Software Tools and Systems Programming
- Introductory Statistical Analysis and Data Science, Probability with Computer Applications

## SKILLS

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### Computer Languages

Java, Python, R, Assembly, HTML, CSS, Javascript

### Software & Tools

Git, LaTeX, Figma, IntelliJ, PyCharm, VSCode

### Soft Skills

Teamwork, effective communication, willingness to learn

## PROJECTS

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### Conference Management Program (*Java*)

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

### Pixel Art Doodle Jump (*MIPS Assembly*)

- 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*)

- Analyzed auto theft data 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 solutions using isoslides and Rmarkdown

### Portfolio Website (*HTML, CSS, Javascript*)

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

## ACTIVITIES

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### 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 and 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 9