

# Cyrus Chung

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## EDUCATION

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**B. S. in Applied Statistics**  
**Minor in Computer Science, Mathematics**  
**Cumulative GPA:** 3.23/4.00

**University of Toronto**  
**Expected Graduation:** April 2028

**Coursework:** Data Structures & Algorithms, Data Analysis, Software Design, Systems Programming  
**Coursework (Upcoming):** Web Dev, Software Engineering, Statistical Methods for Machine Learning

## PROJECTS

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**Onefarm (Prototype)** | *Python, JavaScript, PostgreSQL*

- Climate data-based decision making for agriculture monitoring.
- Web application for farmers, insurance providers, policymakers to upload their farm boundaries and get climate and meteo (including satellite data) insights for that specific field.
- Leverage LLM and Gen AI to provide accurate reports on the state of their farms

**Ride Sharing App Simulation** | *Python*

GitHub Repo

- Grid simulation featuring riders, drivers, dispatcher, and monitor
- Riders request rides at current location to destination, drivers pick up and drop off riders, dispatchers receive and satisfy requests, and the monitor keeps track of activities in the simulation

**Breast Cancer Tumour Report** | *R*

GitHub Repo

- Conducted EDA in R using statistical visualizations, correlation analysis, and ANOVA to assess predictor–response relationships in biomedical data
- Built and refined multiple linear regression models to quantify the impact of clinical and molecular features (e.g., Ki67, receptor status, metastases) on tumour size.

**Treemap Visualizer** | *Python*

GitHub Repo

- Interactive model of hierarchal data of files and folders on computers
- Able to expand, collapse, delete folders and change current folder viewed

**Garbage Collection Algorithm** | *C*

GitHub Repo

- Mark-and-sweep algorithm used to clean up dynamically allocated memory

**Personal and Academic Website** | *HTML, CSS, JS*

GitHub Repo

- Showcase portfolio, various school projects, credentials

## SKILLS

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### SOFT SKILLS

- Experience working independently
- Strong written & verbal communication
- Detail and collaboration-oriented
- Excellent time management

### TECHNICAL SKILLS

- Knowledge of HTML, CSS, JS, PHP
- Proficiency in Python, C, Java, R
- Intermediate knowledge of Microsoft Office (Word, Excel, Outlook, Teams)