

Yun Xing

Mathematics Honours Co-op, 2A
#Uwaterloo ID 20877134

y39xing@uwaterloo.ca
365-992-1890

Summary of Qualifications

- Programming Language: Strong in C#/C++, Python and Racket.
 - Statistic Programming Language: Strong in R, familiar with SQL.
 - Having one year experience in Python, contributing to a project that are used to track the potential virus taker in a pandemic
 - Outstanding data analytical skills established through work in a project team, where I sort out data using R and write reports with a team
 - Excellent communication skills developed through writing and publishing mathematical articles on a personal account with 200+ followers
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Education

University of Waterloo

- Candidate for Bachelor of Mathematics, Honours Mathematics
- Having 85%+ on cumulative GPA and 90%+ on major average

Relevant course work

CS 136 Elementary Algorithm Design and Abstract Data Type (Language: C)

- Used Linked list to implement a graph, and then used Dijkstra Algorithm to solve shortest path problem of a graph in assignment project
- Studied Dynamic Array, ADT Pool, and how to design own ADTs for a problem
- Wrote a card gacha game in C (Drawing cards randomly from a pool) and published on GitHub and Repl.it(<https://github.com/y39xing/Gacha>)

CS 234 Data Types and Structures (Language: Python)

- Studied a variety of data structures like AVL Tree, Graph, Priority Queues
- Used Adjacency Matrix to implement ADT Undirected Graph in Python and solved a problem for monitoring potential virus taker in a pandemic

STAT 231 Statistics (Language: R)

- Studied statistic models like Binomial, Poisson, and Gaussian model
 - Analyzed purchase data from a business company using R and conduct a complete data report by using confidence intervals and hypothesis tests
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Work Experience

Content Creator at Chuangyou Education Group

(2020)

- Sort out data from their past articles and database
- Conduct new articles for introducing and advertising on their websites

Data Analyst at project team "Ansker"

(2018-2019)

- Use R to manage user' data for the Ansker app, construct users' portrait
 - Provide suggestions for improving user experience, resulting in a 150% increase on number of users over a year
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Hobbies

Writing Articles on Mathematics

- Published 10+ articles related to mathematics on a Wechat personal account
- Has 200+ followers and 500+ reads per article on average