

# Owen Chiu

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## EDUCATION

**UNIVERSITY OF TORONTO**  
**SPECIALIST (CO-OPERATIVE)**  
**PROGRAM IN STATISTICS,**  
**STATISTICAL MACHINE LEARNING**  
**AND DATA SCIENCE STREAM**  
2022 | Toronto, ON

## SKILLS

### LANGUAGES

#### ADVANCED

Python

C

R

LaTeX

#### INTERMEDIATE

HTML

CSS

MySQL

Java

### SOFTWARE

PopSQL

Excel

### OTHERS

GitHub

Fluent in written & spoken French

Fundamentals in Mandarin

## COURSEWORK

Introduction to Data Science

Introduction to CS I & II

Introduction to Statistics

Introduction to Probability

Fundamentals of Investment & Credit

Software Design

Introduction to Microeconomics

## INTERESTS

Machine Learning

Sports Analytics

Net Neutrality

## PROJECTS

### IS A UNIVERSITY EDUCATION WORTH THE INVESTMENT? |

DATA ANALYSIS, R, DATABASES

2019

Course project for Intro to Data Science. Practiced data analysis, visualisations, hypothesis testing and predictive modelling in R, earning 100% on the final presentation for a jury of Computer Science and Statistics professors.

### VAULT | PYTHON, MYSQL, DATABASES

2019 | github.com/H-Richard/vault

Personal group project. Program that generates and stores passwords powered by python and MySQL. Uses MySQL Connector for CRUD operations. Revision using GitHub.

### MUSIC SEQUENCER | C, DATA STRUCTURES

2019

Course project for Intro to CS II (CSCA48). Program that stores, organizes and allows a user to manipulate musical notes, based on Binary Search Trees.

### THE BRIDGE HACK | DATA ANALYSIS, R

2019

Hackathon. Cleaned, analyzed and made visualisations with large data sets to present a proposal in order to improve UofT's Varsity sports attendance. Rated by judges from a non mathematical background, winning a \$200 cash prize.

### FOOD NETWORKS | C, RECURSION, DATA STRUCTURES

2019

Course project for Intro to CS II. Program that stores and organizes ingredients in a Binary Search Tree, then uses recursion to suggest ingredients for a recipe.

### PERSONAL WEBSITE | HTML5, CSS

2019 | owenbc44.github.io

Minimal website featuring a short description of its creator, a resume download link and some contact information. Currently working on implementing a projects page.

### SPACE INVADER | PYTHON, PYGAME

2018

High school group project. Recreating the classic Space Invader game in Python using the pygame library.

## EXTRACURRICULARS

Referee, UTSC interhouse soccer program

2018 - Present

Defender, D1 Soccer

2018 - Present

Member, University of Toronto Sports Analytics Club

2018 - Present

Member, Association of Math & CS Students

2018 - Present

## AWARDS

2018 University of Toronto Entrance Scholarship

\$1000

2018 French Baccalaureate

Mention