

# Tony Hoan Trinh

## Website |

[https://tonyhoantrinh.github.io/personal\\_website/](https://tonyhoantrinh.github.io/personal_website/)

## Github |

<https://github.com/TonyHoanTrinh>

## LinkedIn |

<https://www.linkedin.com/in/tony-hoan-trinh-965408168/>

## Email |

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## Phone Number |

(226) 808 5568

## Technical Skills

### Languages:

C++, R, Python, Bash Scripting, Java, JavaScript, CSS, SQL

### Task Management:

Git, GitHub

### Methodologies:

Agile Method, Documentation, Sprint Based Development

### Operating Systems:

macOS, Ubuntu Linux, Debian Linux, Windows

### Frameworks:

TensorFlow, Firebase, React Native

### Other Tools:

Tableau, Microsoft Excel, SAS, VirtualBox

## Work Experience

### Undergraduate Teaching Assistant | University of Guelph | Sept. 2019 - Dec. 2019

- Teaching assistant for CIS1300 (Introduction to Programming)
- Worked with the TA team and completed tasks such as marking, teaching and presenting lab sessions

### Statistician Research Assistant | University of Guelph | May. 2019 - August. 2019

- Developed machine learning models using R and Python in a Sprint Based Development cycle
- Performed data analysis to forecast student retention with the Institutional Analysis and Research (IAR) Team
- Worked in collaboration with the head Statistician to develop reports which resulted in a better understanding of student retention

### App Developer | The Arboretum (University of Guelph) | October. 2018 - December. 2018

- App development using React Native (JavaScript) to produce an app for The Arboretum used as a tour guide to the species living in the area
- Agile development strategies and skills from communicating with the client through iterations throughout the software development life cycle

## Education

### Bachelor of Computing, Computer Science (Co-op Honours) | University of Guelph | 2018 - Present

- Completing a major in Computer Science and a Minor in Statistics
- Cumulative GPA: 4.0 (91%) and Entrance Average: 95%

## Extracurriculars

### VP Finance of SOCIS (Society of Computing Information Science) | 2019 - 2020, Former Secretary Exec Member | 2018 - 2019:

- Collaborating with other exec members of SOCIS to plan events, maintain the organization and discuss changes and improvements for the Computing students at the University of Guelph

### Co-Organizer of Guelph Coding Community | 2019 - 2020:

- Led the GCC to run workshops and meetups based on technical skills such as using Basic Machine Learning, Bash Scripting and various others.
- Created promotional content and advertised the club through social media and in-class presentations to showcase the club.

## Extracurriculars Continued

### **Kitchener Youth Action Council Member | 2017 - 2018:**

- Council talks about youth issues and ideas to promote youth events in the Kitchener community
- Team cooperation with fellow like minded youth on making a difference in the community through organizing events and activities in the neighborhood

### **Chief of Productions of Junior Achievement Company | 2017 - 2018:**

- Joined a group of various other youth members in creating a company selling candle products under the Junior Achievement program which helped youth participate in real life business ventures
- Displayed strong leadership, management and cooperation skills as being Chief of Productions leading the company members for creating the candle products and selling them

### **City of Kitchener/Waterloo Volunteer at various City Events | 2017 - Current:**

- Participated in volunteering and aiding at various events such as Christkindl Market, Open Street Event, Neighborhood Association Convention, Health and Wellness Convention and etc.
- Active participation in lively city events and getting involved in the local community

## Awards/Scholarships

- University of Guelph Entrance Scholarship (\$3000 CAD)
- University of Guelph Bursary (\$5000 CAD)
- Dean's Scholarship (2018 - 2019) (\$2000 CAD)
  - 1 of 5 recipients under the College of Physical and Engineering Sciences
- Dean's Honour List (2018 - 2020)
  - Achieved greater than 80% semesterly averages in all full-time academic semesters
- Honour Roll Student for 4 years at Cameron Heights Collegiate Institute, Kitchener Ontario

## Personal Projects

### **NBA Data Exploration and Analysis | Sept. 2019:**

- Used Python Jupyter Notebooks and R to do a data exploration on an NBA dataset
- Created graphs and machine learning models using Python SciPy and R caret to predict NBA All-stars
- Presented the findings to the Guelph Coding Community as a way to teach others about basic data analysis and machine learning

### **Math Visualizations in Python | March. 2019 - June. 2019**

- Created math visualizations (Mandelbrot, L-System, etc) using Python Jupyter Notebook and Matplotlib

### **Dungeons and Dragons (DnD) Generator | Sept. 2019 - Dec. 2019**

- Used Object-Oriented Programming with Java to create a DnD Generator that allows users to generate DnD elements and stories for use.

## Other

### *Participant:*

- CS Games 2019 in Montréal, QC as a member of the University of Guelph team winning 2 awards with the team
- Attending multiple hackathons and academic competitions such as: Hack the North 2018, Local Hack Day 2018, SCINAPSE Science Competition 2018, MHacks 2018 and Delta Hacks V

### *High School Achievements:*

- Honour roll student for 4 years and awards for major participation in school activities
- Worked in a group of like-minded individuals to produce a Software App for the school in Grade 12 Computer Science Class
- Co-Leader of Programming Club
- Exec member of Student Council, Music Council and Athletic Council
- Member of Senior Jazz Band, Senior Orchestra, Jazz Quartet and Cross Country