Tony Hoan Trinh

Website |
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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

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%
- Courses: CIS2520 Data Structures, CIS2430 Object-Oriented Programming, CIS2170 UI Design, CIS2030 Microcomputers, STAT2050 Statistics, MATH1210 Calculus

Extracurriculars

VP Finance of SOCIS (Society of Computing Information Science) | Sept. 2019 - Present:
- 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
- Former Secretary Exec Member (Sept. 2018 - Sept. 2019)

Co-Organizer of Guelph Coding Community | Sept. 2019 - Present:
- 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 | *Sept. 2017 - Sept. 2018*:
- Council talks about youth issues and ideas to promote youth events in the Kitchener community
- Team cooperation with fellow liked minded youth on making a difference in the community through organizing events and activities in the neighborhood

Chief of Productions of Junior Achievement Company | *Sept. 2017 - Sept. 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 - Present*:
- 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

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