

Guanghan Wang

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EDUCATION

University of Toronto

September 2019 – present

Toronto, ON, Canada

BASc in Engineering Science

Currently Year 2, Expected Graduation Year: 2023

- 2019 Fall : Sessional % Average: 91.0, Pass with Honours
- 2020 Winter: Sessional % Average: 92.0, Pass with Honours, Sessional GPA: 3.94

TECHNICAL SKILLS

- Languages: Python, C/C++, Java, HTML/CSS/JavaScript, Verilog, Kotlin, LaTeX, Markdown
- Platforms: GNU/Linux and Microsoft Windows
- Tools & Framework: Git/GitHub, TensorFlow, NumPy, MATLAB, Android Studio, LTspice, Office Suite
- Passionate about online education

TECHNICAL EXPERIENCE

Summer Research on Audio Adversarial Machine Learning (Python)

Summer 2020

CleverHans Lab

- Worked on audio adversarial machine learning of speaker verification
- Implemented a genetic algorithm to tackle the black box setting
- Self-learned NumPy and TensorFlow from scratch in the process
- Achieved the goal of lowering the model accuracy below 1%

Assignment Due (Python)

March 2020

NewHacks

- Developed and tested an application to manage group TODO lists using Python
- Implemented the user interface in both the command line and graphics
- Open-sourced on GitHub

Personal Website (HTML/CSS/JavaScript)

September 2019 – present

Side Project

- Designed and developed a modern-looking portfolio using HTML, CSS, and JavaScript
- Self-learned techniques to create modern and interactive webpages

Courses Enrolled

University of Toronto, Toronto

ECE253H1	DIGITAL AND COMPUTER SYSTEM	IPR
ESC190H1	COMPUTER ALGORITHMS & DATA STRUCTURES	A+

Stanford University, Stanford

CS 106B	PROGRAMMING ABSTRACTIONS	A+
CS 193C	CLIENT-SIDE INTERNET TECHNOLOGIES	A

HONORS & AWARDS

2020	The John M. Empey Scholarships (awarded for achieving the highest average percentage of marks in the year's written and laboratory subjects)
2019	University of Toronto Scholar
2018	AP Scholar with Distinction Award
2018	Intensive Study on Computer Science, Stanford University
2018	Chinese Informatics Olympiad Provincial Third Price
2018	Physics Bowl Contest Regional Top 10 & Global Top 100