

Guanghan Wang

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EDUCATION

University of Toronto

September 2019 – present

Toronto, ON, Canada

BASc in Engineering Science

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

TECHNICAL SKILLS

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

RELEVANT EXPERIENCE

Summer Research on Audio Adversarial Machine Learning

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%
- Received \$6000 stipend at the end of the research

Assignment Due

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

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+ |
| • ESC180H1 | INTRODUCTION TO COMPUTER PROGRAMMING | A+ |
| • ESC103H1 | ENGINEERING MATHEMATICS & COMPUTATION | A+ |

Stanford University, Stanford

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

HONORS & AWARDS

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|-------------|--|
| 2020 | The John M. Empey Scholarships (achieving the highest average percentage of marks in the year's written and laboratory subjects) |
| 2020 Winter | Dean's Honour List |
| 2019 Fall | Dean's Honour List |
| 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 Prize |
| 2018 | Physics Bowl Contest Regional Top 10 & Global Top 100 |
| 2017 | Chinese Physics Olympiad Provincial Third Prize |
| 2017 | Chinese Mathematics Olympiad Provincial Third Prize |