

WANG, SIDA

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EDUCATION

Bachelor of Software Engineering (CO-OP)

Sept. 2017 — Present

- Currently in **level 2 of a 4-year program**
- **Relevant Courses:** Engineering Computation, Software Development, Principle of Programming, Digital system & Interfacing, Data Structure & Algorithms
- **Academic Award:**
 - * **Dean's Honour List** (May 2018) -- awarded a student who obtain a minimum 9.5 GPA(out of 12) in a school year.

SKILLS

- **Programming Language:** C, Java, Python, Assembly (NASM), Bash Script.
- **Operating System:** Linux/Unix
- Fundamental CAD knowledge with **Autodesk Inventor**
- Excellent written and communication skills in **English** and **Mandarin**
- time-management, Self-motivation and ability to work under high-pressure environment

SOFTWARE PROJECTS

Genetic Algorithm Application for Image Evolution

- As part of my course work, our group was asked to generate a random PPM image and compute it to be close to a given image, by applying a basic genetic algorithm principle.
- The link of the image **evolution animation**: <https://youtu.be/ijqb4eIeb3I>

Random Linked list Generator & Operator

- Application of the concept of **Linked list**.
- The program gets the size from user and generates a Horizontal-Bottom list with random numbers in an increasing order from top to bottom and left to right.
- It computes the Horizontal-Bottom list to a Singly-Linked list in an increasing order.

EXPERIENCE

Part-time chief & kitchen staff

September 2016 - February 2017

Tea Hut, Hamilton, ON

- Generally producing food and helping with making bubble tea.
- Working 20 hours per week during school year, and as one of two kitchen staffs in a shift, an organized mindset was necessary for this position.

Experiential Volunteering Participation in DeltaHacks IV

January 2018

DeltaHacks IV, McMaster University, Hamilton, ON

- Helped with organizing a hackathon with more than 700 participates to hack for a positive change.
- Led a group of four to help the organizer to ensure the event going well and create a friendly atmosphere to reduce the stress of participates.

International Mentorship Mentor

May 2018 - Present

International Students Program, McMaster University, Hamilton, ON

- Trained to be a professional and personal mentor to help the first-year international student get familiar and comfortable with the new surroundings.