

EMPLOYMENT

DeltaHacks V, Volunteer - McMaster University

Dec 2018 - Jan 2019

Duties include but not limited to:

- Helping hackers with their core ideas
- Assisting hackers to rectify problem

Team Member/ Volunteer - Able Youth NGO

Oct 2016 – May 2017

- Improving the quality of life for people living in villages in general, with a specific focus on assisting orphans, widows and their children, by offering medical services, education, and vocational activities in an environment that is affordable, congenial and rural based.

IT Head - Manav Rachna International School

August 2016 – March 2017

- Designing and reviewing each delegate cards, Event banners and handled social media accounts of the event.

Head of Communications - Manav Rachna International School

August 2016 – March 2017

- Responsible for managing the public relations aspect within an organization

EDUCATION

Hamilton, ON - McMaster University

Sept 2017 – Present

- Enrolled in B.A.Sc. in Computer Science, Class of 2021.
- Undergraduate Coursework: Software Foundations; Computer Architecture; Algorithms; Programming Languages Comparison of Learning Algorithms; Computational Theory; Calculus I; Discrete Mathematics II.

TECHNICAL EXPERIENCE

Projects

- **ASM Sorting Algorithm (2018)**. Using NASM and Makefile to create a randomly filled array and sorting it after every iteration. Assembly Language (ASM)
- **TruPhase (2018)**. Using BOSE's API, python as back end language, and Arduino's microphone to record device's output for any discrepancy by comparing the frequency with predetermined database.
- **Math library: (2017)**. Using Haskell to create a math arithmetic library that answers factual queries.
- **MacChat: (2016-2017)**. Using PHP and Unix to create a real-time chat system between two participants connected via LAN.

ADDITIONAL EXPERIENCE AND AWARDS

- **Challenge Winner (2018)**: Won BostonHack's OneDB challenge that uses OneDB cloud service to perform multiple algorithms.
- **Math 1ZA3 (2017)**: Scored 3.9 GPA in Engineering Math
- **COMPSCI 2S03 (2018)**: Scored 3.9 GPA in Principles of Programming
- **Scholarship (2015 - 2017)**: Awarded for Extraordinary sports accomplishments.

Languages and Technologies

- Assembly Language (NASM); C; C++; Java; Python; SQL; Linux/Unix server; Bash Scripting; make; LaTeX; Django

Technologies/Software:

- Final Cut PRO; Microsoft SQL Server; Eclipse; XCode; Jupyter Notebook, TeX

Links

- Portfolio - tanejs4.github.io/
- LinkedIn - www.linkedin.com/in/shivam-taneja-3a7467b4/