

KETAN VASUDEVA

Engineering Science Student

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EDUCATION

Engineering Science - BASc

University of Toronto

📅 September 2018 – Present

TECHNICAL SKILLS

- Computer Science, Python, C, Java, Matlab
- HTML, CSS, JS, ARM, Verilog, Arduino, Excel

PERSONAL SKILLS

- French and English fluency
- Leadership, Communication, Public Speaking, Team Management, Flexibility, Composure, Responsibility

EXPERIENCE

Project Management Office Associate - Student
Tangerine

📅 April 2019 – August 2019 📍 Toronto, Ontario

- Worked with the PMO department at Tangerine to help **manage and organize** development projects across the organization.
- Aided in development and deployment of projects such as a **Chatbot**, a **Deep Learning** platform, and a new **line of credit**.

Assistant Director of STEM

Leaders of Today (Nonprofit)

📅 April 2019 – Present 📍 Toronto, Ontario

- Part of the founding **executive team** of the Leaders of Today nonprofit with the goal of empowering youth to make a change through their passions.
- In charge of the **STEM division**. Planning and executing events and workshops to educate and inspire youth in STEM fields, as well as advocate for climate action and social action through STEM.

Computer Repair Business

Personal

📅 June 2018 – Present 📍 Mobile

- Learned to promote, organize, and run a small repair business.

INTERESTS

- Robotics, R&D, Programming, AI, Quantum Computing
- Ultimate Frisbee, Tennis, Basketball, Soccer, Boxing, Gym
- Advocacy, Reading, Travelling

INVOLVEMENT AND PROJECTS

University of Toronto Aerospace Team

- Working to put satellites in space. Learned how to run missions and build cubesats as well as researched ADR techniques.
- Part of a team working towards deploying a satellite in the next 3-4 years.

Engineers Without Borders Canada (EWB) - Policy and Advocacy Team

- Advocated for equality through the promotion of EWB's 2030 Sustainable development goals.
- Met with Members of Parliament in order to advocate for the 2030 platform, earned experience in speaking and professionalism.

NewHacks Hackathon Participant

- Worked towards building an auto-regulation system for diabetic pump injections using **machine learning** techniques.

UTDL Designathon

- Designed, prototyped, built, and tested a pin-locked fully-integrated safety box to prevent home delivery package thefts. Used **Arduino micro-controllers**, **CAD software**, and **motors** to produce design.

Programming Project Library

- Created a library of coding projects in various languages (**Java**, **C**, **Python**, **Matlab**, **JavaScript**).
- Examples: Chess player AI, web calculator, topographical map generation, building modeling during earthquakes, jetpack game, etc.

University of Toronto Ultimate Team

- Represented the University at multiple regional and national tournaments.

ACHIEVEMENTS

- Governor General's Academic medal for **97%** high school graduating average
- **University of Toronto Scholar** and **AIA Canada Scholarship** recipient
- **20+** high school awards for academic excellence(highest grade, performance on provincial math competitions,etc.)
- U of T varsity ultimate team **Rookie of the Year**