

# Smile (Xi Man) Peng

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## EXPERIENCE AND LEADERSHIP

### Vincent Tabard-Cossa Nanophysics Laboratory, University of Ottawa

#### — Research Assistant

May 2019-September 2019

- Worked on an individual research project that reduced surface capacitance of SiNx chips on which nanopores are fabricated
- Validated and modified nanopore fabrication and Data Acquisition (DAQ) circuit boards
- Edited CAD models of components through Onshape
- Interpreted, analyzed and organized acquired data using Excel

### IEEE University of Toronto Student Branch, Toronto, ON

#### — Logistics Associate

October 2019-Present

- Organizing talks, workshops, as well as a MLH affiliated hackathon
- Communicating and reaching out to companies and start-ups for sponsorship
- Marketing of events to students at the University of Toronto

### Students for Students China & The Bloom Project, Ottawa, ON & Toronto, ON — Executive Leader

March 2016-Present

- Organizing fundraisers for scholarships for children in China
- Leading a team of students for Bloom sales production while acting as the treasurer
- Create and plan workshops for students, focussing on leadership and communication

## PROJECTS

### Reroute, Toronto, ON

February 2019-Present

- Developed a semi-functional prototype of a notification app using FramerX, currently working towards a fully functional web-app using JavaScript and HTML/CSS
- Communicating with the main stakeholders (Fairview Nursing Home) to obtain information for the development of requirements and testing/validation purposes
- Invited to present the project at the Schlegel Villages Innovation Summit

### StarterHacks: ParkN, Waterloo, ON

January 2019

- Front-end development using React and JavaScript, helping design login/registration page and the integration of a maps webpage
- Presentation of web-app and business pitch to judges

### Women in Science and Engineering National Conference Engineering Case Competition, Toronto, ON — First Place

January 2019

- Developed a design/product for the implementation of gamification at Walmart (sponsors) locations, a technology-based industry problem
- Presented the solution to a panel of judges who assessed the proposed product for its feasibility, level of detail, and innovation

### Club for Undergraduate Biomedical Engineering BMEC Biomedical Engineering Design Competition, Toronto, ON — First Place

March 2019

- Developed a design to increase the quality of life of those with congenital insensitivity to pain and anhidrosis
- Prototyped design using 3D CAD
- Presented the design to judges who are experienced in the biomedical engineering field

## EDUCATION

### University of Toronto, Toronto, ON- BAsC in Engineering Science

September 2018-Present (Expected Class of 2022)

- GPA: 3.95/4.00
- Courses Highlight: Calculus I/II/III, Computer Algorithms and Data Structures, Digital and Computer Systems, Engineering Mathematics and Computation, Fundamentals of Electrical Circuits, Introduction to Programming, Linear Algebra, Probability and Statistics

## CONNECT WITH ME

Personal Portfolio:

<http://smilepeng.me/>

Github:

<https://github.com/smilepeng>  
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LinkedIn:

[www.linkedin.com/in/smile-peng](http://www.linkedin.com/in/smile-peng)

## SKILLS

Proficient in Python, C, Verilog, ARM Assembly, and MATLAB; familiar with Java, JavaScript, React, C++, and HTML/CSS

Can create designs in CAD

Familiar with many data analysis functions in Excel

Team management and organization

Taking leadership roles and initiative

## LANGUAGES

Fluent in English, French, Mandarin, and Cantonese

## CERTIFICATION

DELTA B2 Certificate (Centre International d'Études Pédagogiques)

## AWARDS

The Governor General's Academic Medal: Awarded by the Governor General to the student with the highest average in the graduating class

WISE National Conference Engineering Case Competition First Place ([see article](#))

CUBE BMEC Biomedical Engineering Design Competition First Place

University of Toronto Dean's List: Awarded to students with an average above 80%

University of Toronto Scholarships including the Dean's Merit Award, and the Faculty of Applied Science and Engineering Admission Scholarship