Smile (Xi Man) Peng

613-818-6169
smile.peng@mail.utoronto.ca

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, Expected Graduating Class of 2022
September 2018-Present
- GPA: 3.78/4.00, Ranking: 50/232
- Courses Highlight: Computer Algorithms and Data Structures, Digital and Computer Systems, Fundamentals of Electrical Circuits, Introduction to Programming

CONNECT WITH ME
Personal Portfolio:
http://smilepeng.me/

Github:
https://github.com/smilepengg

LinkedIn:
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
DELF 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