Nick Wang

Full address and phone upon request.

nick.wang@mail.mcgill.ca
http://nickwang.net

Education

Honours B. Eng., Mechanical Engineering, McGill University *CGPA 3.93/4.00* | 2014-2017
- Brodeur-Drummond Scholarship for high academic standing in the Faculty of Engineering
- Dean's Honour list

B. Sc., Biomedical and Life Sciences, McGill University | 2013-2014
Ontario Secondary and IB Diploma, Bayview Secondary School | 2009-2013

Skills

Engineering
Solidworks (CAD), ANSYS Mechanical (FEA)

Scientific Programming
GROMACS (molecular dynamics simulations), NumPy, SciPy, matplotlib

Front-end Web
HTML, CSS, Javascript

Back-end Web
Django, SQL, AWS deploy

General Programming
Python, C, Javascript, MATLAB, Bash

Languages
Spoken and written proficiency in English, Spoken proficiency in Mandarin Chinese

Experience

***Student Researcher*, Pomès Lab at SickKids Centre for Research and Learning**
2015-Current
- Used knowledge of molecular biology, statistical mechanics, solid mechanics, and programming expertise in computer simulations of elastin, the extracellular matrix protein responsible for the extensibility and elastic recoil of tissues such as skin, lungs and arteries

Teacher's Assistant, McGill's Department of Mathematics and Statistics | 2015-Current
- Instructed over 80 McGill students in weekly tutorials for "MATH262 Intermediate Calculus"
- Instructed over 60 McGill students in weekly tutorials for "MATH263 Ordinary Differential Equations"

Tutor, Engineering Peer Tutor Service | 2016-Current
- Provided one-on-one tutoring service for McGill students for "PHYS142 Electromagnetism and Optics" during set office hours

Webmaster, McGill Chinese Student Society (MCSS) | 2015-Current
- Designed a seamless, responsive experience for voting contestants onto our annual Meet Me Halfway event, using Django.
- Maintained the main and external websites' functionality

Volunteer Researcher, McGill's Micro and Nanobioengineering Lab | 2014-2015
- Assisted a PhD candidate by optimizing a microfiltration device to enrich tumour cells from whole blood by designing a system with an integrated washing step.

Student Ambassador, McGill University | 2014
- Led prospective international students and their families on regularly scheduled tours of campus.

Service Desk Analyst, SNC-Lavalin Operations and Management | 2013 & 2014 Summer
- Provided first line IT technical support to internal staff nation-wide, analyzing, diagnosing and resolving problems with applications, systems and hardware.

Student Tutor, MEDLIFE McGill | 2014-2015
- Independently prepared and taught three hour midterm and final exam review sessions for first and second year courses in the subjects of math, physics and chemistry

Student Volunteer, Mackenzie Health Richmond Hill Hospital | 2011-2015
- Assisted doctors and technicians, and provided hospitality to patients.
- Processed guest concerns, answered phones, and handled hospital inquiries.
- Discharged patients and delivered specimens to and from the lab and other various departments.
- Packed and kept inventory of drugs.

Student Tutor, Bayview Secondary School | 2009-2013
- Provided one-on-one tutoring for peers for all math and science courses during free periods and lunch.