

Peiqi Wang

peiqi1122@gmail.com | (416)-832-7215

EDUCATION

UNIVERSITY OF TORONTO

**BS IN MOLECULAR GENETICS AND
COMPUTER SCIENCE**

Expected April 2018 | Toronto, ON,

Cum. GPA: 4.0 / 4.0

Victoria College

STRATHCONA HIGH SCHOOL

Grad. May 2014 | Edmonton, AB

LINKS

Github:// [tt6746690](#)

COURSEWORK

MOLECULAR GENETICS

BCH242 Introduction to Biochemistry**CHM247** Organic Chemistry II**BIO230** Genes to Organisms**HMB265** General and Human Genetics

COMPUTER SCIENCE

MAT223 Linear Algebra**CSC165** Math Expression and Reasoning**CSC148** Introduction to CS

SKILLS

LAB TECHNIQUES

qPCR • SDS-PAGE • cell culture • DNA
extraction

PROGRAMMING

Mostly Used:

Python • R • JavaScript

Some Experience:

L^AT_EX • SQL • CSS

EXPERIENCE

PRINCESS MARGARET CANCER CENTRE | PROJECT STUDENT

Sep 2015 – Sep 2016 | Toronto, ON

- **MANUSCRIPT** Assessed the role of PITPNC1 in breast cancer progression; Presented a poster on the topic at American Association for Cancer Research (AACR)
- **MANUSCRIPT** Evaluated validity of digital image analysis in Ki-67 labeling index quantification
- Investigating potential biomarkers for a subset of triple negative breast cancer with worse prognosis using Next-Gen sequencing

INTERNATIONAL GENETICALLY MODIFIED MACHINE (IGEM) |

DRY LAB MEMBER & WEB MASTER

Sep 2015 – Sep 2016 | Toronto, ON

- Worked on the development of ConsortiaFlux, a web-based pipeline that allows for the visualization, manipulation and interpretation of genome-scale metabolic models of bacterial communities, modeled using flux balance analysis
- Worked on applying machine learning to identify gold-sequestering gene clusters
- Provided critical feedback toward planning of the first BioHackathon. Contributed to the development of BioHackathon website

DONNELLY CENTRE FOR CELLULAR AND BIOMOLECULAR RESEARCH | WEB DEVELOPER

May 2016 – Present | Toronto, ON

- Designed a database schema for storing protein annotation and experimental data
- Worked on a full stack website using Nodejs, Expressjs, Pug, and MySQL as well as D3js for data visualization
<http://EdgoDB>

EXTRA-CURRICULAR

UNIVERSITY OF TORONTO MOST UNDERSTANDABLE SCIENTIST (UTMUST) | ORGANIZER

Sep 2015 – Dec 2015 | Toronto, ON

Promoted UTMUST presentation contest on social media platforms. Revised and decided upon the event proposal. Drafted sponsorship emails and engaged in email correspondence.

EARTHTONES BENEFIT CONCERT COMMITTEE | MEDIA DIRECTOR

Sep 2015 – Dec 2015 | Toronto, ON

Regularly updated the website for the timely propagation of promotional materials. Designed poster for the recruitment of performers. Worked as a team to host a concert that raised over \$10000 toward children affected by the Syrian Crisis.

AWARDS & SCHOLARSHIPS

2016	University	Undergraduate Research Opportunities Program UROP (\$2400)
2016	Vic	The Milne Research Award (\$2000)
2016	University	Dean's List Scholar
2015	Vic	The Timothy E F White Scholarship (\$500)
2015	Vic	The Helen Margaret (McConkey) Thomson Scholarship (\$3000)
2014	University	University of Toronto Scholars Awards (\$5000)