

Peiqi Wang

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

EDUCATION

UNIVERSITY OF TORONTO

HONORS BSC IN
COMPUTER SCIENCE AND STATISTICS
Expected Jan 2019 | Toronto, ON,
Cumulative GPA: 4.0 / 4.0

LINKS

Github:// [tt6746690](#)

SKILLS

LANGUAGE

Favorite:

LaTeX • C++ • Typescript • Python

Some Experience:

SQL • R • Racket • Verilog • C • Java

COURSEWORK

COMPUTER SCIENCE

CSC263 Data Structure
CSC373 Algorithm Design and Analysis
CSC369 Operating System
CSC324 Principles of Programming Lang
CSC343 Introduction to Database
CSC321 Neural Networks
CSC458 Computer Networking Systems
CSC488 Compilers and Interpreters
CSC473 Advanced Algorithm

MATH & STATISTICS

MAT247 Algebra
MAT237 Multivariate Calculus
STA261 Probability and Statistics
STA302 Regression Analysis
STA414 Methods in Machine Learning

EXPERIENCE

DEEP GENOMICS

| COMPUTER SCIENCE PROJECT CSC494 (UNDER PROF. BRENDAN FREY)
September 2017 - December 2017 | Toronto, ON

- Worked on a fast internal tool for genomic analysis and for building ML datasets
- Extended existing features to allow for interfacing with variant-related queries

THE PETER GILGAN CENTRE FOR RESEARCH AND LEARNING

| RESEARCH STUDENT (UNDER PROF. MICHAEL BRUDNO)
September 2016 - September 2017 | Toronto, ON

- Implemented a htsget compliant **server**
- Developed a tool for investigating expression pattern in human tissue **PAGE** .
- Improved diagnosis suggestion for **Phenotips**

CENTRE FOR CELLULAR & BIOMOLECULAR RESEARCH

| PROJECT STUDENT (UNDER PROF. MIKKO TAIPALE)
May 2016 - September 2016 | Toronto, ON

- Designed a database schema for storing gene annotation and experimental data
- Developed an web-interface **EdgoDB** for queries and data-sharing

PROJECTS

Theros

- A web microframework building on top of C++17 and Asio
- Partial implementation of HTTP/1.1, HTTPS support with OpenSSL
- Compact trie based router, extensible with custom handlers
- routing path pattern matching, variadic callables with templates and traits

CONSORTIAFLUX (iGEM 2015)

- A tool for building metabolic models for bacteria community

AWARDS & SCHOLARSHIPS

all	University	Dean's List Scholar
2017	Vic	Joseph Alfred Whealey Incourse Scholarship
2017	Vic	Lawrence And Sharen Ho International Scholarship Iii
2016	Vic	The Kathryn Anne Radford Scholarships
2016	University	Undergraduate Research Opportunities Program UROP
2016	Vic	The Milne Research Award
2015	Vic	The Timothy E F White Scholarship
2015	Vic	Adel S Sedra Undergraduate Scholarship In Mathematics
2015	Vic	The Helen Margaret (McConkey) Thomson Scholarship
2014	University	University of Toronto Scholars Awards