

Peiqi Wang

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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

Intro to Theory of Computation

Software Design

Systems Programming

Computer Organization

Data Structure and Analysis

Operating System

Algorithm Design and Analysis

Principles of Programming Lang

Introduction to Database

Computer Networking Systems

MATH & STATISTICS

Linear Algebra

Multivariate Calculus

Probability and Statistics

Regression Analysis

EXPERIENCE

DEEP GENOMICS

| PROJECT STUDENT (UNDER PROF. BRENDAN FREY)

September 2017 - Now | 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 (\$1500)
2017	Vic	Lawrence And Sharen Ho International Scholarship Iii (\$1000)
2016	Vic	The Kathryn Anne Radford Scholarships(\$1000)
2016	University	Undergraduate Research Opportunities Program UROP (\$2400)
2016	Vic	The Milne Research Award (\$2000)
2015	Vic	The Timothy E F White Scholarship (\$1000)
2015	Vic	Adel S Sedra Undergraduate Scholarship In Mathematics (\$500)
2015	Vic	The Helen Margaret (McConkey) Thomson Scholarship (\$3000)
2014	University	University of Toronto Scholars Awards (\$8000)