

EDUCATION

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- **Brown University** Providence, RI, USA
Ph.D. in Applied Mathematics; CGPA: 4.00/4.00 *Sep 2018 – now*
 - **City University of Hong Kong** Hong Kong
Major in Computing Mathematics; CGPA: 4.11/4.30, Major GPA: 4.20/4.30; Minor in Computing *Sep 2014 – Jun 2018*
 - **University of Toronto (Exchange)** Toronto, Canada
Exchange Student; GPA: 4.00/4.00 *Jan 2017 – Apr 2017*

SCHOLARSHIPS AND AWARDS

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- **HKSAR Government Scholarship**
 - **Joseph Lau Student Exchange Awards**
 - **HKSAR Government Scholarship Fund - Reaching Out Award**
 - **Dean's List (Every Semester)**

RESEARCH EXPERIENCE FOR UNDERGRADUATES (REU)

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- **Summer Research in UTK/ORNL** Knoxville, TN, USA
Supervisor: Dr. Kwai Wong, Dr. Cheng Liu *May 2016 - Aug 2016*
 - Received training on high performance computing(HPC) in Oak Ridge National Laboratory
 - Project: Implemented a GIS algorithm named dasymetric mapping and proposed a parallel version of the algorithm. The new method effectively improved running efficiency.

OTHER RESEARCH EXPERIENCES

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- **Solving PDE in Mathematical Biology** CityU, Hong Kong
Supervisor: Dr. Jun Fan *Sep 2016 - Dec 2016*
 - Research assistant in Dr. Fan's research group
 - Project: Implemented finite difference method to solve a stochastic, nonlinear diffusion equation modeling factors that influence the lateral organization of the plasma membrane. Studied how different parameters could lead to different scenarios.
 - **Asymptotic Analysis of ODEs** CityU, Hong Kong
Supervisor: Prof. Roderick Wong, Dr. Xiang-Sheng Wang *Jun 2017 - Aug 2017*
 - Summer assistant in Liu Bie Ju Centre for Mathematical Sciences
 - Project: Systematically studied asymptotic analysis and Painleve Equations under Dr. Wang's guidance. Gave series solution to a group of ODEs, and tried to give a closed form solution based on well-known special functions. Reviewed Prof. Wong's work on second order linear difference equations.
 - **Learning with Structured Deep Neural Networks** CityU, Hong Kong
Supervisor: Prof. Ding-Xuan Zhou, Dr. Xiaosheng Zhuang *Jun 2017 - Now*
 - Final year project in the math department
 - Project: Study theoretical aspect of Deep Neural Network. Run numerical simulations on image classification problems to verify and support Prof. Zhou's work.

EXTRACURRICULAR ACTIVITY

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- **CityU Choir Committee** CityU, Hong Kong
Position: Membership Secretary of Bass *Sep 2015 - May 2016*
 - Organized annual performance and conducted regular training of bass section.
 - **Peer-Assisted Learning Scheme using Supplemental Instruction** CityU, Hong Kong
Position: PALSI Leader *Sep 2016 - Dec 2017*
 - Gave freshmen tutorials on Calculus and organized discussion groups.
 - **CityU Student Mentoring Program** CityU, Hong Kong
Position: Student Mentor *Sep 2017 - Now*
 - Organize orientation and give new students help in academics.

PROGRAMMING SKILLS

- Java, C/C++, SQL, MATLAB, Python, SAS, Linux Command, LaTeX