Wenjie Li / William

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EDUCATION

The Chinese University of Hong Kong (CUHK), Hong Kong.   **Sep. 2015-July. 2019**

Bachelor of Mathematics.   Minor in Computer Science.   Expected: July. 2019

Cumulative GPA: 3.871/4.0;   Major GPA: 3.934/4.0 (until March. 2018)

2017-2018 Student Ranking: **1st among all exchange students (>1000)**

University of Pennsylvania (UPenn), Pennsylvania, USA**.**   **Jan-May. 2018**

International Exchange Student.   Major: Mathematics.

Two graduate level Mathematics courses.

Two online Computer Vision courses taught by Prof. Jianbo Shi.

RESERCH EXPERIENCE

Bioinformatics Lab, CUHK   **May-Oct. 2017**

- Worked in Prof. Kevin Yip's research group as a student research helper.
- Assisted the project of analyzing DNA sequence similarities by using *gapped-indel-kmer-pattern*.
- Optimized the efficiency of a counting algorithm, which generated different kernel functions for a Support-Vector Machine (SVM) which separated DNA sequences into negative and positive groups.
- Analyzed the false positive rate to evaluate model performance using statistical criteria.
- Participated in weekly meetings to report research progress with Ph.D. students and Prof. Yip.

Times Series group, Department of Mathematics, CUHK   **Feb-May. 2017**

- Studied time series, financial modeling, application of wavelet, and technical analysis under the supervision of Chairman Prof. Raymond Chan.
- Presented important concepts and modern techniques in the analysis of time series.
- Built more than 10 statistical models with computer programs in language R.
- Created a new financial indicator that performed well in predicting short-term fluctuations in time series and presented it in group meetings.

TEACHING EXPERIENCE

The Chinese University of Hong Kong

Teaching Assistant.   **Sep-Dec. 2016**

- Taught the general education course GESH1010 with Prof. Juanita and Prof. Kristy.
- Prepared teaching materials with other TAs and professors.
- Participated in weekly meetings and discussions about the course progress.

SCHOLARSHIPS/AWARDS

- Heung To Education Fund Mathematics Scholarship 2017 **(Top 2)**
- The D.H. Chen Foundation Scholarship 2017 **(Top 1%)**
- The S.H. Ho Annual Scholarships for Outstanding Academic Performance 2017 **(Top 3%)**
- The S.H. Ho Foundation Student Exchange Scholarships 2017/18
- Dean's List 2016-2017; 2015-2016; (2 years) **(Top 10%)**
- Yasumoto International Exchange Scholarship 2017
- Undergraduate Mathematics Scholarship 2016 **(Top 10%)**
- Master's List 2016-2017 **(Top 3%)**
- The S.H.Ho Summer Exchange Scholarship 2015-2016
- Admission Full Scholarship 2015 **(Top 1)**

SKILLS

Computer Skills: Python, MATLAB, Java, Ocaml, LaTeX, R, C++, MS Office, Adobe

Languages: Fluent English and Cantonese, native Mandarin, basic French.

EXTRA-CURRICULUM

President of Flame Dialogues • CUHK   **Nov. 2015 - Sep. 2017**

- Coordinated the daily work of different members in the club.
- Participated in regular joint meetings among all five universities.
- Reported many interviews with articles that are published on the internet.

Yau-Mathematical Sciences Center (YMSC), Tsinghua University, China   **July-Aug. 2017**
- Studied the Anosov Representations and relevant algebraic topics.

Bali Island, Indonesia   **Dec-Jan. 2016**
- Taught more than 100 elementary school students basic English.
- Volunteered in arranging teaching materials for the school.