

Yilin Zhu

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## EDUCATION

University of Toronto HBSc in Statistics and LCT (Literature and Critical Theory)	2016-20
Marc Garneau Collegiate Institute (MGCI, Talented Offering Program for the Sciences - TOPS)	2012-16
University of Toronto Schools (UTS)	2010-12
Academy of Realist Art (ARA)	2012-20

## RESEARCH EXPERIENCE

Undergraduate Fellow, *Northrop Frye Centre* *Fall and Winter 2019-20*

Under the supervision of Professor Stephen Rupp, I developed a visual framework for exhibiting Latin poetry along with its translations in the same picture plane (*Georgics* 2.483-492). In order to explore the full potential of visual, numerical, and textual media, I conducted a wide literature review of both data visualization classics and translation theories in preparation for this project. Despite the cancellation of the final conference due to COVID-19, I actively shared my results with and fellow students and professors.

Senior Intern Analyst, Active Equities, *CPP Investments* *Summer 2019 (May to August)*

As a part of the Thematic Investing team, I researched emergent trends in support of ongoing investment decisions. I assisted senior managers in procuring and cleaning data, performing statistical analysis, and presenting results. I also read widely about investing, macroeconomics, and financial modelling, and began to prepare for the CFA examination as a result of this experience.

Reporter and SEO Intern, *China Automotive Review, Beijing* *Summer 2018 (June to September)*

As a learner of Chinese with some heritage foundations, I spent my summer internship in Beijing reading widely on business-related intelligence in Chinese and translating them into English for publication. During these three months, I covered regular news and statistical updates regarding China's Heavy Duty Vehicle market and published several feature articles involving extensive research. In addition, I assisted in studying the possibility of incorporating Search Engine Optimization (SEO) into the journal's transition from print to online publication and communicated the results to the Editor-in-Chief.

Research assistant, Hou Lab, *Institute of Biophysics, Beijing* *Summer 2018 (May)*

In a four-week intensive, I self-studied the use of the *igraph* library (for R) to participate in a project at the lab for developing a system to visualize genetic similarity of immune system cells, ultimately for the early detection of cancer. Working with a senior graduate student, I learned about the lab's workflow and software environment and developed my own prototype using the *igraph* library in R.

## COMMUNITY INVOLVEMENT

Treasurer, <i>Literature and Critical Theory Student Union</i>	2019-20
Transition Mentor, <i>Victoria College</i>	2018-19
Statistical Sciences Mentor for first-year students, <i>UofT Department of Statistics</i>	Fall 2018
Illustration Editor, <i>The Strand (Victoria College Newspaper)</i>	2017-18
Senior Editor of high school yearbook, <i>MGCI TOPSbook</i>	2015-16
Co-founder, <i>MGCI Idea Swap Club</i>	2013-16
Speaker at TEDxYouth@Toronto Ignite2.0 conference	2015

## SKILLS AND INTERESTS

### COMMUNICATION

As an ardent reader and student of literature, I am able to write clear and effective prose as well as understand and critically analyze textual information. I appreciate the interdependence of data and storytelling on each other and am always excited to share and learn from data whether in essay or visual form.

### FINANCE

I am comfortable with spreadsheeting in Excel and its use in financial modelling. I understand the time value of money and can accurately perform many interest rate calculations. I understand the motivation and use of financial reporting standards and am passionate about acquiring and passing on greater financial literacy in many different settings.

### STATISTICS

I have a strong understanding of regression, hypothesis testing, and many other classical methods of statistical inference and can explain their significance in clear everyday language. I am also able to identify and implement several ML algorithms such as variational auto encoders and clustering algorithms. I am currently trying to broaden my repertoire by continuing to study mathematics and learning new digital tools like Shell, Git, Python, and Javascript.

### ART

Traditional media—painting and drawing in particular—have been my passion since childhood. Having trained in both the Western atelier tradition of studio oil paintings and in the Eastern tradition of pen and ink sketching through my first art teacher, I am now trying very hard to unite these approaches. In all, I have a deep love of nature, and hope to one day capture that through my works. Processing has recently introduced to the beauty of generative as well as data-generated art. I hope to continue to grow in this aspect and one day incorporate it in my repertoire.

## AWARDS

2nd place in Canadian Association of Classics (CAC) Senior Latin Sight Competition	2020
Victoria College In-course Scholarships	2017-2020
Jack and Adrienne Taylor Entrance Scholarship (UofT)	2016
Anne Marjorie Beer Entrance Scholarship (Victoria College)	2016
Art Renewal Center International Salon Competition finalist	2016