

Jenny J. Liu

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EDUCATION

University of British Columbia

Sept. 2017 – May 2021 (expected)

Bachelor of International Economics

Vancouver, Canada

- Relevant coursework: Computation, Programs and Programming (A+), Research and Writing in the Social Sciences (A), Database Technology (A), Symbolic Logic (A), Advanced Empirical Methods for Economics (A)
- Go Global Award (\$1,000), Just Desserts Award (for exemplary community service)

EXPERIENCE

Undergraduate Teaching Assistant

Sept. 2020 – Present

University of British Columbia, Department of Computer Science

Vancouver, Canada

- Lead weekly lab sections of 30 students to facilitate hands-on learning of ASL (Advanced Student Language), similar to Racket (a dialect of Lisp) and aligned with *How to Design Programs* textbook
- Quadrupled student engagement at online office hours within a month by motivating students and visually breaking down technical programming concepts such as recursion, graphs and abstraction
- Improved online learning engagement by collaborating in weekly meetings with professors to discuss techniques to motivate student learning
- Received a perfect score of 5/5 for all areas of student evaluations of teaching

Project Assistant, Data Group

Sept. 2020 – Present

BC Children's Hospital Research Institute (BCCHR), Data Group

Vancouver, Canada

- Increased data mining insights for upcoming research publication through hierarchical clustering of 40,000+ MeSH research keywords by research area similarity across BCCHR, utilizing Python and R
- Facilitated planning of department's online research workshop focused on Clinical Decision Support System Structures, liaising with professors and creating digital marketing materials across 10+ channels
- Reinforced findings for end-of-term report by creating a network visualization of all of BCCHR's publication collaborations using Cytoscape, effectively discovering which teams collaborated most frequently

Investment Analyst Intern

May 2019 – Aug. 2019

Shenzhen Capital Group, West Fountain Global Fund

Shenzhen, China

- Co-authored major portions of venture capital investment proposal of 500M RMB by conducting due diligence and risk analysis of market entry opportunities in Middle Eastern e-commerce space
- Extracted and presented key financial data from foreign statements for two 200M+ RMB investments, leading all Chinese-English translations of foreign documents
- Identified growth potential of young international and domestic companies, contributing to investment decisions ranging from 100M to 1,000M RMB by performing pro forma financial valuations and analyses

COMMUNITY

President | Vancouver School of Economics Undergraduate Society

Sept. 2017 – Present

- Founded equity and engagement initiatives to triple student impact by allocating new grants for BIPOC groups and creating Student Clubs Incubator for all budding Economics-related clubs and initiatives
- Bolstered average online event turnout by 60% through leading creation of internal data metrics system, allowing performance data to be quantified and leveraged for improved insights

Leaders of Tomorrow Member | Greater Vancouver Board of Trade

Aug. 2020 – Present

- Lead team to create research project on childcare case studies and recommendations, to be presented to committee of local business and government leaders
- Conducted academic research to prepare research proposal on smart city technology within Canada, to be shared and discussed with local government and business leaders

TECHNICAL

Skills: econometrics, functional programming, OOP, software design, data visualization

Languages: Java, Python, R, SQL, Racket, Stata, L^AT_EX

Developer Tools: Jupyter Notebook, MS Office, Github, Git, IntelliJ IDEA, DrRacket, Cytoscape

Libraries: pandas, Numpy, Swing, Matplotlib, ggplot2, gplots