

Christen (Yuchen) Ye

Toronto, ON | yeych2017@gmail.com | www.linkedin.com/in/christenye-0319 | 778-682-0319

Education

The University of British Columbia

Sep 2018 – May 2023

Bachelor of Science in Statistics (Cumulative GPA: 3.74/4.33)

Relevant Courses: Probability Theory, Statistical Inference, Sample Surveys, Mathematical Computing, Applied Linear Algebra, Calculus III, Intermediate Statistics Applications, Tests and Measurements, Research Methods, Number Theory

Skills & Additional Information

Programming Languages: Python, MySQL, SQL, SAS, R, LaTeX(Overleaf), PowerShell, MATLAB

Platform: GitHub, Jira, Azure DevOps, Splunk, Confluence, SharePoint, Google Cloud, AWS

Software: Power BI, RStudio, Visual Studio, Power Automate, Apache Spark, Hive, Oracle VirtualBox, Hadoop, Excel (VBA), PowerPoint, Word, Outlook, OneDrive, SharePoint, Teams, Tableau, WordPress

Citizenship: Canada(Permanent Resident, Pending Citizen), China(Citizen)

Work Experience & Internship

Analyst, Strategy & Innovation, CIBC, Toronto

May 2023 - Present

- Developed recurring and scheduled Power Automate flows to automate SharePoint file operation, being implemented in document management for CIBC Workspace Integration team
- Built Power BI dashboard with scheduled dataflows that automatically retrieve the latest content in Excel workbooks, monitoring remote display latency for corporate devices within a user-selected date range
- Generalized PowerShell scripts that extract Aternity Rest API data, allowing customized parameters by user command in cmd and outputting the scripted data to CSV files in the assigned output path

Associate, Risk Management & Model Development, TD Bank, Toronto

May 2022 – Aug 2022

- Optimized Value at Risk reporting tool codes with Python, being used for TD daily market risk investigation
- Completed daily market risk investigation by SQL queries for derived Excel tables from TD cloud market simulator, reporting client-faced business insights with written and verbal communication skills

Data Scientist–Machine Learning, Copperleaf Technologies, Vancouver

Jan 2022 – April 2022

- Improved machine learning pipelines with scikit-learn package, finding the appropriate order for a polynomial regression model to avoid overfitting issues and increasing the goodness of fit by 11%
- Automized data visualization processes with Python Matplotlib package for each phase of investment datasets by For loop, increasing code readability and maintainability for future development
- Published code documentation on Confluence and created pull requests on Azure DevOps, collaborating with software developers synchronously on GitHub and reviewing colleagues' codes

Data Analyst, City of Brampton, Brampton

Sep 2021 – Dec 2021

- Managed the Budget Control Act dataset with Python Jupyter notebook by automatizing the Excel table joining process and fixing the unmatched column names, saving 83.3% of time usage
- Conducted detail-oriented quality checks for processed data, collaborating with cross-functional teams
- Translated business questions into specific quantitative questions, initiating and driving projects to completion independently with minimal guidance in an Agile project management environment with Jira

Business Analyst, HP Tech Ventures, Remote

May 2021 – June 2021

- Utilized Request, BeautifulSoup in Python to script 150 start-up profiles on Crunchbase that meet HP Value Invest criteria, building a database with Pandas by writing the selected DataFrame to an Excel file
- Conducted statistical hypothesis testing in R to explore the dependence between 10 start-up attributes and its founding, fitting a linear regression model with significant predictors of 85% accuracy
- Pitched data-driven written and verbal presentations about the most potential deal recommendation to stakeholders, receiving a 5-star rating for managing multiple competing priorities simultaneously

Data Analyst, Journal of Interventional Radiology, Shanghai

Dec 2019 – April 2020

- Performed the Goodness-of-Fit test in SAS to the raw data of 7 SCI articles being reviewed, showing 5% discrepancy between observed values and expected values from proposed statistical distribution model
- Simulated the distribution of the given dataset by using bootstrapping in R to resample, estimating the 95% confidence interval of the calculated statistic and compiling a peer-review report with Overleaf
- Supported building connections between editors of the publishing house and multiple authors, coordinating the publishing process and earning experiences in managing multiple time-sensitive projects in an Agile way

Extracurricular Activities & Project Experiences

KPMG Data Analytics Consulting Virtual Internship, Remote

Jan 2021 – June 2021

- Built preprocessor pipeline in Python to clean the data according to 6 data metrics, drafting a reporting email to the client about key data quality issues and recommended methods of mitigating data accuracy
- Conducted the customer segmentation analysis via SQL query based on calculated RFM value for each customer, generating the target top 1000 high-value customers from a 4000-row customer Excel table
- Visualized the demographics of the target customer group by Tableau, interpreting ambiguous data to support business insights into the focus and the strategy of future marketing campaigns

Deloitte Technology Consulting Virtual Internship, Remote

July 2021 – Aug 2021

- Facilitated data collection with a combination of quantitative (Extracting 120 URLs in Python) and qualitative methods (Qualtrics Survey), managing collected data with MySQL on AWS cloud platform
- Implemented pairwise comparison ANOVA hypothesis test in Python to the dataset, finding the level of factors that has a dominant influence on client satisfaction with the selected cloud engineering system

Leadership & Voluntary Experiences

Campus Ambassador, TD Bank

Jul 2022 – May 2023

- Organized online and offline campus recruitment events by leveraging social media to promote company brand image, developing solid relationships with UBC Co-op office and a diverse range of student candidates

UBC Cognitive Systems Society, Vice President

Sep 2020 – Jan 2021

- Built up communication between Arts Student Society and Cognitive Systems Society in UBC, organizing following events: Meet your Profs, ASC biweekly meeting, and CSS Workshop Series: Data

UBC H.O.P.E., Peer Mentor

Nov 2020 – Jan 2021

- Provided a weekly one-hour consultation to a prospective UBC student about course planning and career choosing, gaining client-focused thinking skills and mentorship experiences

UBC Technical Career Fair, Support Channel Volunteer

Jan 2021 - Jan 2021

- Organized the check-in process for 50 companies on Microsoft Teams and wrote follow-up emails after the event, obtaining quick problem-solving skills and decision-making skills

UBC Imagine Day, Jump Start Orientation Leader

Sep 2019 – Sep 2019

- Led campus tour for 100+ international students, facilitating the inclusion and equality of the team