

# Luca Zhou

lucazhou.ca | lucazhoumc@outlook.com | (647)893-2063

## EDUCATION

### WESTERN UNIVERSITY

HONORS SPECIALIZATION IN  
COMPUTER SCIENCE

Sept. 2017 - May 2022 | London, ON

## HONORS/AWARDS

### DEAN'S HONOR LIST

WESTERN UNIVERSITY  
Sept. 2020 & May 2019

### PYTHON DATA SCIENTIST

DATA CAMP, INC.  
Sept. 2021

### DATA ANALYST NANODEGREE

UDACITY, INC.  
Sept. 2020

### MYSQL CERTIFICATION

UDEMY, INC.  
Aug. 2019

## SKILLS

### PROGRAMMING LANGUAGES

Python, Java, C++, C, VBA, SQL

### DATA SCIENCE TOOLBOX

Pandas, NumPy, Jupyter Notebook  
Matplotlib, Seaborn, PowerBI, Tableau

### WEB DEVELOPMENT

HTML, CSS, JavaScript, jQuery  
PHP, Node.js, Express, Flask  
RESTful APIs, GraphQL

### TOOLS

SQL Server, MySQL, MongoDB  
Git, GitLab, GitHub, Bitbucket

## COURSEWORK

### UNDERGRADUATE

Object Oriented Programming  
Data Structures & Algorithms  
Data Analytics: Principles & Tools  
Statistics for Science  
Intro to Professional Writing

## LINKS

GitHub: [github.com/chefZau](https://github.com/chefZau)  
LinkedIn: [linkedin.com/in/lucazhou](https://www.linkedin.com/in/lucazhou)

## SUMMARY OF QUALIFICATIONS

- Solid experience in data wrangling using **SQL**, **Pandas** and **Numpy**.
- Proficient in data visualizations using **Tableau**, **PowerBI** and **Python**.
- Hands-on experience in **Machine learning** with Python (Scikit Learn).
- Familiar with cloud technologies including **AWS**, **Google Cloud** and **Azure**.
- Other **Object-Oriented Programming** skills: **Java** and **C++**.

## EXPERIENCE

### DATA ANALYST | LBM PARTNER SERVICES INC.

Sept. 2020 – Sept. 2021 | Sept. 2021 - Apr. 2022 | London, ON

- **Data Wrangling:** Implemented complex SQL queries to collect data from various databases and completed data cleaning with Python.
- **Data Visualization:** Performed data exploratory analysis and developed dynamic BI dashboards using Seaborn and SQL to present key business insights.
- **Cloud ETL:** Structured and loaded 10 million rows of data into an Azure SQL database, reducing data redundancy and improving data integrity.
- **Automations:** Utilized SQL stored procedures to automate clients' daily reporting process and developed Python packages to optimize e-commerce website performance.

### BACK-END DEVELOPER INTERN | TRS INFORMATION TECHNOLOGY

Jul. 2019 – Aug. 2019 | Guangzhou, China

- **Web-based Data Platform:** Collaborated with a team of 16 people to develop a data platform using Spring Boot, and completed tasks under tight deadlines.
- **Web Scraping:** Constructed Python scrapers to collect data from over 10 websites including macroeconomic, meteorological, national and industry statistics by using various libraries including BeautifulSoup, and Selenium.
- **Database System:** Designed, deployed, and maintained a MySQL database based on the business team's requirements.
- **Data Governance:** Created detailed documentation of data processes by using markdown; utilized GitLab for version control and collaboration.

## PROJECTS

### BMO MUTUAL FUND EXPLORATION

Aug. 2021 | [github.com/chefZau/Exploring-BMO-MFunds](https://github.com/chefZau/Exploring-BMO-MFunds)

- Explored all BMO mutual funds performances data using **Jupyter Notebook**, and conducted statistical analysis to extract insights.
- Used design principles to create a compelling interactive dashboard with **Power BI** and presented key findings for building a portfolio.

### THE ULTIMATE DATA SCIENCE NOTE

Feb. 2021 | Notion

- Documented all essential data science tools and techniques using Notion, including **Advance Python programming**, **Pandas**, **Matplotlib**, and **Seaborn**.

### TO DO LIST WEB DEVELOPMENT

Dec. 2019 | [lucazhou.ca/todolist](https://lucazhou.ca/todolist)

- Implemented a minimal, clean, and responsive static website using **HTML**, **CSS**, and **jQuery** for planning, managing, and prioritizing all day-to-day activities.
- Created written documents regarding code changes and debugging results.