

Luca Zhou

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EDUCATION

WESTERN UNIVERSITY

HONORS SPECIALIZATION IN
COMPUTER SCIENCE

Sept. 2017 - Jun. 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
LinkedIn: 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

- 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

- 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.