

# Luca Zhou

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## SUMMARY OF QUALIFICATIONS

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Experience in **Object-Oriented Programming** with **Java** and **C++**.  
Highly experienced in data wrangling using **Pandas** and **Numpy**.  
Proficient in creating visualizations using **Seaborn**, and **Matplotlib**.  
Familiar with data pipeline; capable of finishing tasks on strict deadlines.

## EDUCATION

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### Honors Specialization in Computer Science

*University of Western Ontario*

London, ON

*Sept. 2017 - June 2022*

- Dean's Honor List in the 2018 - 2019 and 2019 - 2020 academic year

### Data Analyst Nanodegree

*Udacity, Inc.*

*Feb. 2021*

### Data Scientist with Python Track (23 Courses)

*DataCamp, Inc.*

*Oct. 2021*

## EXPERIENCE

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### Data Analyst

*LBM Partner Services Inc.*

London, ON

*Sept. 2020 – Sept. 2021*

- **Data Collection:** Used Python and SQL to acquire data from various sources, including APIs, Web and etc.
- **Data Cleaning:** Filtered and cleaned data using Pandas and Numpy to locate and correct problems. Typical tasks including finding text similarity, handling missing values, dropping duplicates and aligning data types.
- **Data Visualization:** Created visualizations and dynamic BisTrack dashboards using Seaborn, and SQL to tell 'data stories' that are clear and easy to understand to provide clients with specific, actionable recommendations.
- **Database Normalization:** Built the industry database by normalizing a 10-million row table.
- **Python Automation:** Created Python automations to suit client needs, including a route optimization app for deliveries, HubSpot integration, and a server monitoring project.

### Back-end Developer Intern

*TRS Information Technology Co.*

Guangzhou, China

*July 2019 – Aug. 2019*

- **Data Platform:** Participated in a team of 16 people to develop a data platform using Spring Boot and Vue.js.
- **Web Scraping:** Wrote Python scrapers for data collection on more than ten websites including macroeconomic, meteorological, national and industry statistics. Typical libraries used: Request, BeautifulSoup, and Selenium
- **Database Design:** Coordinated with the requirements department to design, implement, operate MySQL.

## SKILLS

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**Programming Languages:** Python, Java, C++, C, VBA, SQL

**Data Science Toolbox:** Pandas, NumPy, Matplotlib, Seaborn, PowerBI

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

**Tools:** SQL Server, MySQL, MongoDB, Git

## PROJECTS

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**To Do List Web:** Developed a minimal, clean, and responsive static website using HTML, CSS, and jQuery for planning, managing, and tracking all day to day activities.

**Simulated Medical System:** Built a simulated web-based medical system written using LAMP Stack. It allows end-users to perform CRUD operations to a database through the website.