

Haoyan Li

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PROFESSIONAL EXPERIENCE

Data Analytics Intern | Interior Health Authority May 2024 - September 2024

- Contributed to a smooth **data migration** during a company-wide technology transition
- Developed **11+ dynamic Power BI reports** that transformed complex datasets into actionable insights
- Authored and distributed internal memorandums to **1000+ recipients** on key organizational updates
- Designed strategy roadmaps, and developed **Python** scripts to **automate the ETL process from 11,000+ rows** of data in Excel, **reducing manual effort by 99%** and significantly improving data accuracy
- Collaborated with cross-functional teams in the development, testing, and production stages

Coding Tutor | Okanagan College September 2023 - April 2024

- Tutored **30+ first-year students** in weekly programming labs, both in-person and online
- Managed a **550+ users' platform**, and **assigned role-based accesses** to facilitate peer-to-peer knowledge sharing
- Adapted diverse teaching methods to build up students' confidence and a strong coding foundation

Business Intelligence Intern | Tolko Industries May 2023 - August 2023

- Developed **55+ custom PostgreSQL** scripts for customers to meet the diverse data needs of internal customers
- Collaborated with 5 department leaders to identify key metrics and **customize Power BI dashboards**
- Optimized existing programs and implemented system changes, resulting in **improved system stability**

Data and Reporting Analyst Intern | Nokia May 2022 - September 2022

- Conducted **18 Power BI unit tests** to validate data accuracy, functionality, and performance
- Identified and reported data issues in Azure DevOps, providing detailed **root cause analysis** for timely resolution
- Investigated and resolved a data source inconsistency issue, mitigating confusion around data definition

PORTFOLIO

Academic Prediction Using Machine Learning | [GitHub](#) | [Exploratory Data Analysis](#)

The model is **engineered as a predictive model** that forecasts students' test scores with 88% accuracy. It is deployed on **Azure** for scalability and efficiency, empowering students and educators to optimize educational strategies.

Web Application Using Django and React | [GitHub](#)

The web application utilizes **Django RESTful APIs** to facilitate interactions between the front and back ends, enabling login authentication and integrating the backend prediction model through a React interface.

EDUCATION

Okanagan College Kelowna, Canada
Diploma, Computer Information Systems 2022 - 2024

- Academics:** Dean's Lists (F'22, W'22); North Okanagan Community Foundation Scholarship (F'23)

South China University of Technology Guangzhou, China
Bachelor of Science, Information Engineering 2015 - 2019

- Coursework:** Computer Ethics (A), Information Security (A+), Data Visualization (A), Databases (A)
- Extracurricular:** Data Analysis Hackathons (F'16, W'16, F'17, W'17)

ADDITIONAL INFORMATION

- Skills:** Data Analysis & Visualization, Databases, Python, JavaScript, R, HTML, CSS, Git, Scikit-Learn, Power BI
- Volunteer:** Archivist @ The Museum & Archives of Vernon, Info Guide @ W'23, W'24 College Career Fair
- Interests:** Coding, Puzzling, Anime Drawing, Blogging
- Status:** Canadian Citizenship