Jerry Huang

Business Intelligence Analyst & Software Engineer

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WORK EXPERIENCE

Software Engineer
nference

📅 Sept 2019 – Nov 2019   📍 Toronto, ON

- Developed the front-end and back-end for web apps using **React, GraphQL, MongoDB, and Python** used by top pharmaceutical companies and American research hospitals.
- Designed **Python** code to extract and analyze text from research papers and excel files to create text corpora for natural language processing models
- Analyzed text data for inconsistencies, anomalies, and false records between researchers conducting clinical trials

Business Intelligence Intern
York Region

📅 Sept 2017 – Aug 2018   📍 Newmarket, ON

- Implemented systems for process automation and data management using **SQL and Oracle APEX**, resulting in **cumulative annual savings of over $100,000 in labor.**
- Coordinated a proof of concept app which tracked, analyzed, and forecasted energy and water/wastewater consumption and usage; **lead to the creation of a $1,000,000 project**
- Optimized report generation time of multiple high priority reports by **400x (5days to 5mins)** through the development of business intelligence tools and data management strategies
- Consulted directly with clients to **gather and translate requirements, develop data-driven solutions**, and support existing products

Math Tutor
Tutor Doctor

📅 Oct 2016 – April 2017   📍 Mississauga, ON

- Reinforced students learning methods and weaknesses in different topics; **test scores increased by 15%**
- Adapted teaching style in response to student weaknesses; **homework completion time decreased by 20%**
- Identified areas for improvement and advised parents on effective teaching strategies; **final grades increased by 10%**

PERSONAL PROJECTS

YouTube History Analyzer

📅 Nov 2020

- Designed **Python** code to categorize YouTube watch history data using the YouTube Data API and used **Power BI and React** for data visualizations.

Research Analyst
University of Toronto

📅 May 2016 – June 2016   📍 Mississauga, ON

- Designed **Python** code to analyze and extract genetic information; discovered a new gene that coded for hair color in certain races
- Researched gene data using NCBI (National Center for Biotechnology Information) for anomalies and known functionalities

SKILLS

Data Analysis
- SQL, Python, Power BI, Google Analytics, Tableau

Software (Back-end)
- SQL, Python, Rest API, Oracle DB, Mongo DB

Software (Front-end)
- JavaScript, React, GraphQL, HTML, CSS

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- Business Intelligence
- Software Development
- Data Analysis
- Database Design
- Data Visualization

CERTIFICATIONS

- Advanced Google Analytics (2020)
- Advanced Microsoft Power BI (2020)
- Data Analytics for Business Professionals (2020)
- Python for Data Science Essential Training (2020)
- Power BI Data Modeling with DAX (2020)
- Tableau Essential Training (2020)
- Financial Forecasting with Big Data (2020)

EDUCATION

Major in Computer Science and Statistics with Minor in Molecular Biology
University of Toronto

📅 Sept 2014 – April 2019

- Algorithm Design and Analysis
- Data Structures and Analysis
- Applied Statistical Modelling
- Regression Analysis
- Introduction to Statistical Learning
- Bioinformatics