Daniel Guo

WORK EXPERIENCE

Ericsson   Ottawa, On
Cloud RAN Data Science Intern   May 2024 – Present
- Developed and optimized a Baseband Performance Analysis (BPA) tool to analyze Key Performance Indicators (KPIs) from telecommunication data, improving efficiency and accuracy in performance analysis.
- Utilized statistical methods and data analysis techniques to automate the extraction and interpretation of performance data, reducing the need for manual data review.
- Employed Python libraries such as NumPy, Pandas, and Matplotlib to process, visualize, and analyze large datasets, providing actionable insights for network optimization.

The Smart Choice Management Ottawa   Remote
Software Developer   June 2022 – Present
- Build property management software for The Smart Choice Management Ottawa using Java and SQL Server.
- Conducted JUnit test cases for the software during/after the development of the software.

Island View Camping   Remote
Software Developer   March 2022 – Present
- Develop a campground booking system for Island View Camping using Java, Python and SQL Server.
- Conducted JUnit test cases for the software during/after the development of the software.
- Maintain efficiency and scalability for the software application.

Montana's BBQ and Grill   Nepean, On
Line Cook   May 2023 – Aug 2023
- Prepare food as a detailed-oriented line cook working in a fast-paced kitchen in a fast-casual restaurant.
- Reliable, quality-focused line cook with strong leadership and communication skills
- Completed tasks effectively and efficiently while applying feedback to excel in the fast-paced environment

Kumon Math and Reading Centre   Riverside South, On
Math and English tutor   Sep 2019– Aug 2022
- Assist students in class for math and reading worksheets.
- Correct assigned math and/or reading homework and return constructive feedback
- Help students complete homework virtually via Zoom during the Covid-19 pandemic.

EDUCATION

University of Ottawa   Ottawa, ON
Honours B.Sc. in Mathematics/Honours B.Sc. in Computer Science (Data Science)   Expected Graduation: April 2027
Relevant Coursework: Data Structures and Algorithms, Software Engineering;
Discrete Structures; Databases; Statistics; Multivariable Calculus

UNIVERSITY PROJECTS

Paris Metro Closest Path   Nov 2023
- Designed and implemented an optimal software to find the nearest path given two stations using Dijkstra's algorithm and graph traversal in Java.
- Use adjacency lists to capture the relationships between stations and their distances.

ADDITIONAL

Technical Skills: Advanced in Java, Python, R, Javascript, HTML/CSS, SQL