Andrew Daniel Singari

✉ andrewsingari@gmail.com | 📱 236-339-1179 | 🌐 andrewsingari.com | ⬡ Github | 🔗 Linkedin

EDUCATION

TRINITY WESTERN UNIVERSITY
Bachelor of Science B.Sc.
Computer Science
Langley, BC

CERTIFICATIONS

GOOGLE DATA ANALYTICS

- Certificate ID: 107203566
- Expiry Date: June 27, 2025

SKILLS

PROGRAMMING LANGUAGES

Python, R, Java, JavaScript, TypeScript, Node.js, Bash, PowerShell, Linux Shell

MACHINE LEARNING TOOLS

TensorFlow, PyTorch, Keras, Scikit-learn

DATABASE

MySQL, PostgreSQL, MongoDB, Oracle RDBMS, Redis, MS SQL Server

DATA ANALYTICS

Google Analytics, PowerBI, Tableau, Qlik, Microsoft Dynamics 365 CRM

DEEP LEARNING

Convolutional Neural Networks (CNNs), Recurrent Neural Networks (RNNs), Generative Adversarial Networks (GANs)

MODEL DEPLOYMENT

Docker, Kubernetes, AWS, Git

EXPERIENCE

MACHINE LEARNING ANALYST SightSage Foods & Nutrition
May 2023 - Present | Vancouver, BC

- Developed predictive models in **Python** and **R** using TensorFlow and Keras to analyze customer behavior and enhance e-commerce strategies.
- Implemented and fine-tuned machine learning algorithms to optimize recommendation engines, achieving a 15% increase in customer engagement. Integrated solutions via **RESTful APIs** and **DHTML** into existing web applications.
- Automated workspace data extraction in **Power BI** and **Azure Databricks** via **API** calls, decreasing manual effort by 40%, and providing real-time error notifications during Databricks job runs.
- Developed an AI-driven system utilizing machine learning models like collaborative filtering using **Python**, **Php**, and **MySQL**.

DATABASE DEVELOPER Coast Spas Manufacturing
August 2022 – February 2023 | Langley, BC

- Writing and optimizing complex **SQL queries** on server and **Azure functions** using data obtained from **Syspro** Windows **ERP** application, integrated with an e-commerce website for automated entering of sales orders and invoices.
- Migration of our OAuth system while ensuring zero-downtime using **PHP** and **C#**.
- Assisted developer team to integrate existing warranty portal web application with **Microsoft Dynamics 365 CRM** & **Syspro ERP** system.

DATA ANALYST INTERN Worldlink Exports
June 2021 - June 2022 | Remote

- Implementation of a scalable, cloud-based data processing and analytics platform, integrating machine learning algorithms for automated data preprocessing pipelines, reducing preprocessing time by over 30%.
- Created custom **Power BI** reports for clients, utilizing DAX queries on multiple tables. Reduced manual intervention by 25%, resulting in time saving and enhanced productivity.
- Skills: Power BI: Power Query, MDX, DAX, MySQL, Data Warehousing, Git, Node.js

PROJECTS

⬡ COGNITIVE GAMES

- Collaborated with a team. Games aimed at assisting dementia patients. Utilized **MicroPython** on an **ESP-32** microcontroller to integrate hardware and software components seamlessly. Real-time data recording of players' performance was sent to a remote server using **PHP** and **MySQL** to record, visualize, and analyze performance data retrieved from database on the web application.