# Andrew Daniel Singari

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## Work Experience

**Machine Learning Engineer Intern** May 2024 - Present
*SightSage Food and Nutrition Inc.*
- Developed predictive models in Python and R, using TensorFlow and Keras to analyze customer behavior, enhancing e-commerce strategies.
- Implemented machine learning algorithms to optimize the recommendation engine, leading to a 15
- Conducted data preprocessing and feature engineering to improve model accuracy and performance.
- Collaborated with cross-functional teams to integrate AI solutions into the company's tech stack, improving operational efficiency.

**Machine Learning Engineer Intern** Aug 2023 - March 2024
*Coast Spas Manufacturing*
- Utilized Python and TensorFlow to develop machine learning models for sales forecasting and customer segmentation in B2B and B2C markets.
- Enhanced production line efficiency by implementing AI-driven predictive maintenance systems.
- Collaborated with engineering teams to deploy machine learning models, ensuring seamless integration with existing manufacturing processes.
- Analyzed large datasets to identify trends and insights, contributing to strategic decision-making processes.

**Machine Learning Engineer (Contract)** June 2022 - July 2023
*Worldlink Exports*
- Led the development and implementation of machine learning algorithms for market analysis and trade optimization.
- Managed AI project outsourcing, coordinating between in-house teams and external clients to deliver custom AI solutions.
- Utilized advanced data analytics and machine learning techniques using Power BI to enhance commodity trading strategies.

## Education

**Trinity Western University**
BSc Computer Science

## Skills

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| Programming Languages | Python, Java, C++, R |
| Machine Learning Tools | TensorFlow, PyTorch, Keras, Scikit-learn |
| Data Analysis | PowerBI, Excel, Data preprocessing, Feature engineering, Data visualization |
| Deep Learning | Convolutional Neural Networks (CNNs), Recurrent Neural Networks (RNNs), Generative Adversarial Networks (GANs) |
| Model Deployment | Docker, Kubernetes, AWS, Azure ML |
| Version Control | Git, SVN |