

Andy Guevara

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Calgary, AB, Canada

Education

Master of Engineering in Software Engineering - University of Calgary May 2023 - May 2024
Bachelor of Engineering in Electrical Engineering - University of Victoria Jan 2020 - Nov 2022
→ Specialization: Computational Intelligence
Languages: Python, Java, C, C++, Matlab, SQL
Tools: Git, Azure Cloud, Tensorflow, Pytorch, Numpy, Pandas, MySQL, PostgreSQL, Spark

Experience

AltaML - Associate Machine Learning Developer Jan 2023 - Apr 2023

- Developed a system to structure maintenance documents using document recognition technologies
- Built a name entity recognition system using the OpenAI API complemented by a BM25 search engine to summarize maintenance documents

Canadian Space Agency - Data Modelling Intern Jan 2022 - Apr 2022

- Collaborated with a senior scientist to develop a system to automate the detection of electron density drops in the ionosphere using satellite data
- Processed large amounts of time-series data, labeled data using semi-supervised learning techniques, implemented a classifier using deep learning and served large scale results via notebook

Stantec - Power Line Designer May 2018 - Dec 2020

- Contributed with technical design and project management to support in the delivery of distribution power line projects across Southern Alberta
- Built electrical and structural power line models using geo-spatial data

Projects

Predicting Human Emotions Using Machine Learning: Real-time facial emotion recognition using eye images
Analyzing EEG Data Using Signal Processing and Machine Learning Techniques: Machine learning pipeline to classify brain signals recorded using EEG tools [\[Repository\]](#)

Volunteering

YYC Data Community - YYC DataCon Event Planning 2023 - Present
Data for Good - Datathon Participant May 2023
YYC Data Community - YYC DataCon Volunteer Mar 2023
University of Victoria's Global Community - Mentor for International Students Jan 2022 - Aug 2022

Certifications

Microsoft - Azure Data Scientist Associate Mar 2023