

# Andy Guevara

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## 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

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## 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
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## 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

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## Volunteering

**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

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## Certifications

**Microsoft** - Azure Data Scientist Associate Mar 2023