

# Andy Guevara

## Machine Learning Engineer

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## PROFESSIONAL EXPERIENCE

### Associate Machine Learning Developer

Jan 2023 - Apr 2023

*AltaML, Calgary, AB*

- 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

### Student Intern - Data Modelling

Jan 2022 - Apr 2022

*Canadian Space Agency, Remote*

- 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

### Power Line Designer

May 2018 - Dec 2020

*Stantec Consulting, Calgary, AB*

- 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

## EDUCATION

### Master of Engineering (M.Eng) - Software Engineering

May 2023 - May 2024

*University of Calgary, Calgary, AB*

- Specializing in Software Engineering with a focus on Machine Learning and Data Engineering

### Bachelor of Engineering (B.Eng) - Electrical Engineering

Jan 2020 - Nov 2022

*University of Victoria, Victoria, BC*

- Graduated with a specialization in Computational Intelligence
- Completed design **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

## LICENSES & CERTIFICATIONS

### Azure Data Scientist Associate

Mar 2023

Microsoft

## VOLUNTEERING

### Datathon Participant

May 2023

*Data for Good*

- Developed a recommender system to help refugees find a suitable job based on their profile using GPT

### YYC DataCon Volunteer

Mar 2023

*YYC Data Community*

- Assisted various teams to ensure the event success and keep partners and guests happy

### Conversational Partner and Mentor

Jan 2022 - Aug 2022

*University of Victoria's Global Community*

- Assisted newly arrived international students in improving their language skills and making local connections