

# JARED ARCILLA

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## SKILLS

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<b>Skills</b>	Data Analytics, Machine Learning, Natural Language Processing, Computer Vision
<b>Technologies</b>	Sklearn, Pytorch, Keras, Tensorflow, Tableau, PySpark, d3
<b>Languages</b>	Python, SAS, R, SQL

## EMPLOYMENT

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**Deloitte - Omnia AI** January 2019 - April 2019  
*Data Science Analyst*

- Prototyped an algorithm that recognizes misuse of a company logo on a webpage using Python, OpenCV and Pytorch resulting in a contract with a client
- Engineered a logistic regression model to provide insight into a client company's customer journey with SAS resulting in 0.83 AUC
- Pitched image recognition software that converts hand-drawn diagrams to Powerpoint slides for an Omnia AI contest using Google Cloud APIs, Python, and OpenCV

**CIBC Digital - Insights and Analytics** January 2018 - April 2018  
*Junior Analyst*

- Built interactive reports for a multi-million dollar project using Tableau
- Implemented a web scraper for the cibc.com domain using Python, Selenium and Pandas, saving the company 200+ man hours

## PROJECTS

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**Dog Image Generator** February 2019

- Implemented DCGAN architecture to generate realistic images of dogs using PyTorch
- Used one-sided label smoothing to avoid modal collapse

**Sentiment Analysis for IMDB Reviews** September 2018

- Designed a model to predict the sentiment of a review
- Used Keras to implement word embeddings, CNN and LSTM layers to achieve the best results
- Highest achieved accuracy on validation data is 86%

## EDUCATION

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*DOUBLE DEGREE*

**Bachelor of Mathematics (Statistics Major) - University of Waterloo** Sept 2016 - May 2021  
Relevant Courses: Statistics, Applied Probability, Designing Functional Programs,

**Bachelor of Business Administration - Wilfrid Laurier University**  
Relevant Courses: Managerial Accounting, Functional Areas of the Organization, Financial Management I