

ARYAN MISRA

SOFTWARE DEVELOPER

INFO

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LINKS

[LinkedIn](#)

[Portfolio](#)

[Github](#)

[Devpost](#)

[Medium](#)

SKILLS

Languages: Python, Javascript, Java, ReactJS

Frameworks: Numpy, Scipy, Pandas, Tensorflow, Keras, TF.JS, Matplotlib, Scikit-learn, Flask

PROFILE

16-year old software developer with specialized knowledge in machine learning passionate about using technology to solve interesting problems.

EMPLOYMENT HISTORY

Machine Learning Developer Intern, Skintelligent PTE LTD

Singapore

Aug 2019 — Oct 2019

- Built image preprocessing pipeline and multi-task learning model for Phase 1 deployment using Tensorflow 2.0.
- Deployed multi-task image classification for Chanel Beauty, our initial client, to be used with a recommendation engine for skincare products.

Software Developer Intern, Exomoon AI

Toronto

Dec 2019 — Jan 2020

- Applied multiprocessing using Python to speed up real-estate data collection tool.
- Deployed 3 Python-Django web apps with Docker: Abstractive Text Summarization (NLTK, Python), Medical Connectograph (R, Python), Corpus Extension (NLTK, Python).

EDUCATION

OSSD, A Y Jackson Secondary School

Toronto, Ontario

Sep 2017 — Present

Coursework: Coursera Machine Learning by Stanford, Genomic Data Science & Clustering (Bioinformatics V) by University of California San Diego

PORTFOLIO

Synbiotic | AI Accelerated Drug Discovery

Nov 2019 — Jan 2020

Built variational autoencoders to create high QED SMILES molecules. Used monte-carlo tree search to create a chemical retrosynthesis pathway. See [website](#).

Sidewalk Labs | Alphabet Inc's urban innovation company

Toronto, Canada

Nov 2019 — Dec 2019

Consulted on increasing the affordability of housing by 40%. Suggested to create a sharing economy to generate passive income. See [deck](#).

NeuraScale | SRGAN written in TF2

May 2019 — May 2019

Used TensorFlow 2.0 as the API for creating and training SRGAN. Trained on the MS COCO Dataset. Some very hacky image processing was written. Won #PoweredbyTF2.0 on [Devpost](#).