Niti Wattanasirichaigoon

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EDUCATION

Illinois Institute of Technology
Master's in Data Science, GPA: 3.65

Aug 2018 – Dec 2020
Chicago, IL, USA

University of Tsukuba
Bachelors of Science – Biology, GPA: 3.35

Apr 2011 – Mar 2015
Tsukuba, Ibaraki, Japan

EXPERIENCE

Architect Data Engineer – CCC Information Services
Build data platforms using Python, Spark, Hadoop, Kafka etc. which will provide insights to CCC's client within auto property damage and repair, medical claims and telematics IoT industries.
• Use Hadoop and Spark ecosystem tools and technology for micro-batch and streaming analytics.
• Work closely with product owners, information engineers, data scientists, data modelers, infrastructure support and data governance positions.

Jan 2021 - Present
Chicago, IL, USA

Architect Data Engineer – Intern
Use Kafka and Spark ecosystem tools and technology for micro-batch and streaming analytics.

Oct 2020 – Dec 2020
Chicago, IL, USA

PROJECTS

Analysis of COVID-19 Policies' Impact on the Population and Economy
C3.ai COVID-19 Grand Challenge – 3rd Place ($12,500)
Python, pandas, linear regression, C3.ai COVID-19 Data Lake
- Proposed a new method for quantifying impact of government issued policies on new cases, mobility, and stock market price trends.

Sep 2020 – Dec 2020

Complexity Estimation of Deep Learning Models
Data Science Practicum Project – CCC Information Services
Python, Tensorflow MirroredStrategy, Keras, pandas, numpy, Chameleon Cloud, TF datasets
- Created a tool for estimating the training time of deep neural networks given its structure, input data shape, and GPU specifications.

May 2020 – Sep 2020

Color Scheme Analysis of Illustrations
Python, Pillow, K-means clustering, PyPI
- Analyzed color usage trends of popular illustrations from the popular art site, *Pixiv*.
- Created a tool that extracts color palettes from an image, trim out relatively less vibrant colors, and identify the existing color harmonies.
- Published python package to *PyPI* by the name *'color-harmony'*.

June 2020

OTHER EXPERIENCE

Throne of Games - Board Game café
CO-Founder / Manager

Aug 2016 – Apr 2020
Bangkok, Thailand

National Science Museum, Thailand
Science Communicator

Aug 2015 – Jul 2016
Pathum Thani, Thailand

SCHOLARSHIPS
Monbukagakusho Scholarship
The Japanese Government Scholarship (Full Tuition)
Apr 2010 – Mar 2015

LANGUAGES
Thai (Native)
English
Japanese

HOBBIES
Manga & Illustrations
7000+ followers