

# Niti Wattanasirichaigoon

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## EDUCATION

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### 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

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### 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

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### Analysis of COVID-19 Policies' Impact on the Population and Economy

C3.ai COVID-19 Grand Challenge – 3<sup>rd</sup> 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

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### 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