

# Niti Wattanasirichaigoon

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## EDUCATION

<b>Illinois Institute of Technology</b> Master's in Data Science, GPA: 3.65	Aug 2018 – Dec 2020 Chicago, IL, USA
<b>University of Tsukuba</b> Bachelors of Science – Biology, GPA: 3.35	Apr 2011 – Mar 2015 Tsukuba, Ibaraki, Japan

## EXPERIENCE

<b>Architect Data Engineer – CCC Information Services</b> 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
<b>Architect Data Engineer – Intern</b> Use Kafka and Spark ecosystem tools and technology for micro-batch and streaming analytics.	Oct 2020 – Dec 2020 Chicago, IL, USA

## PROJECTS

<b>Analysis of COVID-19 Policies' Impact on the Population and Economy</b> C3.ai COVID-19 Grand Challenge – 3 <sup>rd</sup> Place (\$12,500) <i>Python, pandas, linear regression, C3.ai COVID-19 Data Lake</i> • Proposed a new method for quantifying impact of government issued policies on new cases, mobility, and stock market price trends.	Sep 2020 – Dec 2020
<b>Complexity Estimation of Deep Learning Models</b> Data Science Practicum Project – CCC Information Services <i>Python, Tensorflow MirroredStrategy, Keras, pandas, numpy, Chameleon Cloud, TF datasets</i> • 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
<b>Color Scheme Analysis of Illustrations</b> <i>Python, Pillow, K-means clustering, PyPI</i> • 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 ' <a href="#">color-harmony</a> '.	June 2020

## OTHER EXPERIENCE

<b>Throne of Games - Board Game café</b> CO-Founder / Manager	Aug 2016 – Apr 2020 Bangkok, Thailand
<b>National Science Museum, Thailand</b> Science Communicator	Aug 2015 – Jul 2016 Pathum Thani, Thailand

## SCHOLARSHIPS

<b>Monbukagakusho Scholarship</b> The Japanese Government Scholarship (Full Tuition)
Apr 2010 – Mar 2015

## LANGUAGES

Thai (Native)
English
Japanese

## HOBBIES

Manga & Illustrations
7000+ followers