

Jaechan Lee

Computer Scientist



SUMMARY

Hello, this is Jaechan Lee.

I like to solve complex problems in the fields of CS and ML.

I consider myself as a fast, ambitious learner;

✉ : chanylee77@gmail.com

☎ : [662-225-8725](tel:662-225-8725)

🏠 : <https://chan030609.github.io/>

🔗 : [chan030609](#)

🐦 : [Jaechan Lee](#)

Experience



Jan 2021 – *present*

Tutor at Self-employed

SUMMARY

“1:1 Tutoring Korean American students with an hourly wage”

Education



in AP STEM Classes

from Leland High School with GPA of 3.95 / 4.0 (UW)

- AP Computer Science A
- AP Calculus BC
- Math 73/78
- AP Physics I/II

in Machine Learning

from DeepLearning.AI with GPA of 4.0 / 4.0

- Deep Learning Specialization
- Generative Adversarial Network (GAN) Specialization

in Business

from Foothill College with GPA of 4.0 / 4.0

- Intro to Business

Apr 2021

Deep Learning Certificate from Coursera

May 2021

Regularization and Optimization Certificate from Coursera

May 2021

ML Project / ML Ops Certificate from Coursera

Awards



Silver Medal

from Kaggle

SUMMARY

Kaggle Plant Pathology Competition, an international data science competition for professionals; awarded to Top 10%

Junior Leadership Award Gold

from Han Sarang Korean Language School

SUMMARY

In recognition for excellent contribution and leadership to promote Korean heritage education

President's Volunteer Service Award

from President of the United States

SUMMARY

100 hours of volunteer service in one year

Jun 2021

CNN Computer Vision Certificate from Coursera

Jun 2021

Sequence Model NLP Certificate from Coursera

Projects



Scientific Visualization of Music : May 2021 – May 2021

SUMMARY

Building a math library for Fast Fourier Transform and performing frequency analysis

- Calculus and Discrete Mathematics
- Fast Fourier Transform (FFT) Algorithm
- JavaScript

Optimal Algorithm for Sentiment Analysis on Twitter : Dec 2020 – Feb 2021

SUMMARY

Performing a sentiment analysis on Twitter API with various NLP algorithms such as CNN, RNN, Transformer

- Analysis on NLP Algorithms
- Python/PyTorch

COVID-19 Detection : Feb 2021 – Mar 2021

SUMMARY

Detecting COVID-19 with Convolutional Neural Network

- Convolutional Neural Network
- Computer Vision
- Python/PyTorch

Volunteer



Dec 1969 – *present*

**Co-Founder, President at HSC
Silicon Valley Youth Organization**

SUMMARY

Lecturing computer science
(Arduino/Python), leading CS projects

- Managing a YouTube channel
- Python
- Arduino

Dec 1969 – *present*

**Mentor, Volunteer at Han Sarang
Korean School**

SUMMARY

Mentoring & helping Korean-American
students to learn the Korean American
Language.

Languages



Korean : ★★★★★
English : ★★★★★
Spanish : ★★★☆☆

Skills



Machine Learning : ★★★★★

Data Science Python programming
PyTorch/TensorFlow

Mathematics : ★★★★★

Multivariable Calculus Applied Mathematics

Web Development : ★★★☆☆

HTML/CSS/JavaScript Angular.js Node.js

Interests



Activity :

Tennis

Cycling

Reading :

End of Work by Jeremy Rifkin

Beyond Order by Jordan Peterson

arXiv.com

Gaming :

Board Games

League of Legends