



# Kristina P. Sinaga

kristinaps25 | Kristina P. Sinaga | Kristina P. Sinaga

*"Be the change that you want to see in the world."*

## Summary

I earned my PhD in Applied Mathematics, in June 2020. I am very passionate about developing intelligent pattern recognition algorithms, especially for single and multi-view learning. I have a proven track record of success in this area and am proficient in various machine learning techniques, including classification, feature selection/reduction, parameter estimation, regression, and clustering. To test my proposed algorithms on large dataset, mostly I used programming tools like Matlab, Python, and R. Currently, I am learning and focusing in developing clustering algorithm using tensor-based approaches.

## Work Experience

### Chung Yuan Christian University

*Taoyuan, Taiwan*

POST-DOCTORATE FELLOW

*March 2023 - Present*

- Develop novel algorithms for clustering or tensor-based clustering that can be applied to large, complex data sets (Multi-view data).
- Publish research findings in high-impact journals.

## Education

### CYCU (Chung Yuan Christian University)

*Taoyuan, Taiwan*

PH.D. IN APPLIED MATHEMATICS

*Sept. 2016 - Jun. 2020*

- Thesis title: Multi-View Fuzzy Clustering Algorithms for Multi-View Data
- Advisor: Prof. Miin-Shen Yang
- CGPA: 3.842

### USU (University of Sumatera Utara)

*Medan, Indonesia*

MS. IN MATHEMATICS

*Dec. 2013 - Dec 2015*

- Thesis title: Model Optimasi Stokastik Penentuan Lokasi dan Jumlah Ambulan dengan Korelasi (in Bahasa Indonesia)
- CGPA: 3.78
- Advisors: Prof. Herman Mawengkang and Dr. Esther Nababan

### USU (University of Sumatera Utara)

*Medan, Indonesia*

B.S. IN MATHEMATICS

*Aug. 2011 - Aug. 2013*

- Thesis title: Analisis Pengaruh Produk Domestik Regional Bruto, Pendidikan dan Pengangguran terhadap Kemiskinan di Kabupaten/Kota Propinsi Sumatera Utara (in Bahasa Indonesia)
- CGPA: 3.30
- Advisors: Prof. Tulus and Dr. Open Darnius

## Honors & Awards

### INTERNATIONAL

2020	<b>Honorary member</b> , The Phi Tau Phi Scholastic Honor Society of The Republic of China	<i>CYCU, Taiwan</i>
2019	<b>Recipient</b> , MOST Travel Grant	<i>Taipei, Taiwan</i>
2018	<b>Recipient</b> , Japan Science and Technology Agency ( JST)	<i>Niigata, Japan</i>
2017	<b>Recipient</b> , Japan Student Service Organization ( JASSO)	<i>Niigata, Japan</i>
2016	<b>Recipient</b> , CYCU International Student Scholarship	<i>CYCU, Taiwan</i>

## Certifications

2022	<b>Coursera-DeepLearning.AI TensorFlow Developer Professional</b> , Instructor: Laurence Moroney	<i>Online Courses</i>
2022	<b>Coursera-Machine Learning Specialization</b> , Instructor: Andrew Ng	<i>Online Courses</i>
2020	<b>Coursera-Learning to Teach Online</b> , Instructor: Associate Professor Simon McIntyre & Dr Negin Mirriah	<i>Online Courses</i>