

VU MINH CHIEN

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WORK EXPERIENCE

Hybrid Technologies **Tokyo, Japan**
Machine learning researcher **September 2020 – present**

- **Researched and Developed Car part image detection and classification system:** classify 200+ classes from car part images using hybrid model of object detection, pre-trained classifier model and image similarity.
- **Developed CV matching system:** Apply Semantic analysis to extract key words and features from candidate profile. Match key words with job requirement to find the relevant candidates for specific position in the company.

D.A.Consortium **Tokyo, Japan**
Advertisement NLP Analyst Intern **January 2020 – May 2020**

- **Sentiment analysis:** Scraping Thai website to obtain raw discussion regarding Automobile, conducting sentiment analysis to track weekly popular topics and trends. Achievement: My model was used as a part of the standardized process in Multiple Correspondence Analysis to apply in other categories.
- **BERT:** Apply the BERT model to summarize Japanese Automobile articles and identify writers' emotion towards a specific category or product and use this for online advertisement. Achievement: The model result exceeded the target threshold and then was adapted by the analysis department for further development.

Mitsubishi Fuso, Daimler **Kawasaki, Japan**
Quality management Intern **February 2020 – May 2020**

- **Warranty cost optimization:** analyzing warranty claim data, clustering vehicles into groups with similar claim patterns, extracting relevant features to predict the risk of damage in real-time application.
- Achievement: Contributed to advancing a warning system to minimize the risk of the truck entering dangerous areas and mined damaged truck database to optimize the warranty cost

Vuong Hai Distribution Corporation **Ho Chi Minh city, Viet nam**
Collaboration Researcher and Marketing support **April 2014 – March 2015**

- Researched for Autoclaved Aerated Concrete (AAC) to reduce 10% cost and support market expansion.
- Achievement: 25% of small private sales agree to sign the contract with the company.

Wacker Chemical (South Asia) **Ho Chi Minh city, Viet nam**
Collaboration project: Market and Technical Researcher **October 2013 – March 2014**

- Supported marketing strategy through conducting market research, consumer analysis.
- Researched, and proposed a new process for lightweight material.

EDUCATION BACKGROUND

Tohoku University **Sendai City, Japan**
Ph.D. – Major: Material Science **October 2017 – September 2020**

- Investigation of Strength performance of Geopolymer-based Modified Sludge designing by DOE statistical theory under several conditions, propose the process for in-situ utilization and develop the genetic algorithm to create new features to improve the experimental result.

Master of Interdisciplinary Studies **October 2015 – September 2017**

- Research on the Effect of chemical components on Geopolymer material to improve sludge in Disaster site for prompt recovery, utilizing hypothesis statistic testing (ANOVA, Bootstrap) and Regression model.

Bach Khoa University **Ho Chi Minh city, Viet Nam**
Bachelor of Civil Engineering **September 2010 – April 2015**
Outstanding student. GPA 8/10

AWARD, CERTIFICATION, AND SKILLS

AWARD	The beneficiary of Japanese Government MEXT Scholarship for Research student from October 2015 to September 2020 Dean chose the PDSE award for outstanding doctor research contribution September 2020
CERTIFICATION	Neural network and Deep learning, Machine learning – Stanford University, Data Scientist with Python (DataCamp)
TECHNICAL SKILL	Python, MySQL – Advanced: EDA, Supervised, Unsupervised, Deep learning, TensorFlow, Pytorch Microsoft Excel, Word, Powerpoint : Advanced Octave, Matlab : Data structure, Applied mathematic algorithm
LANGUAGE	English: Fluent level (TOEIC 850) Japanese: N3 Vietnamese: Native level

END OF RESUME