**Dang Van Quan**
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## Education

- **Hanoi University of Science and Technology** — Hanoi, Vietnam
  *Bachelor of Computer Science* — *Aug. 2015 – Aug. 2017*
- **University of Aizu** — Fukushima, Japan
  *Bachelor of Computer Science; GPA: 4.00* — *Sep. 2017 – Sep. 2019*

## Achievements

- **Japanese Government (MEXT) Scholarship** — *Sep. 2017 – Sep. 2019*

## Experience

- **System Intelligence Lab** — University of Aizu, Japan
  *Machine Learning Researcher* — *Sep 2017 - Present*
  - **Machine Learning**: The main research is presentation learning, i.e., feature extraction and feature extraction, using kernel-based auto-encoder and nonlinear dimension reduction techniques.
  - **Evolutionary Algorithms**: Working primarily on Chaotic Evolutionary Algorithms, Game Theory, and applications in optimization parameters for Machine Learning Algorithms.
- **University of Aizu** — Fukushima, Japan
  *Teaching Assistant* — *Sep 2017 - Present*
  - **Teaching Assistant - Java Programming I** : The course has about 100 students enrolled every semester. Involved in grading quizzes, assignments, exams and supporting students in their exercise classes.

## Programming Skills

- **Machine Learning**
  - **Language**: Python, Matlab, R
  - **Framework**: TensorFlow, Keras, PyTorch, MXNet
  - **Library**: NumPy, Pandas, SciPy, OpenCV, NLTK
  - **Data Visualization**: Matplotlib, seaborn, Tableau, D3.js
- **Software Development**
  - **Language**: C/C++, Java, Javascript, Ruby, Python, HTML/CSS
  - **Frontend**: ReactJS, React Native
  - **Backend**: Django, Flask, ExpressJS, Ruby on Rails
  - **Database**: MySQL, PostgreSQL, MongoDB
  - **Technology**: AWS, Heroku, Git/Github, Firebase

## Publications

[1] V. Q. Dang and Y. Pei, "Feature extraction of handwriting data using kernel method-based autoencoder," in *SICE Life Engineering Symposium 2018 (LE2018)*. SICE, 2018, pp. 74–81.

[2] ——, "A study on feature extraction of handwriting data using kernel method-based autoencoder," in *2018 9th International Conference on Awareness Science and Technology (iCAST)*. IEEE, 2018, pp. 1–6.

[3] ——, "Optimization of kernel method-based autoencoder using chaotic evolution algorithm," in *2019 IEEE International Conference on Systems, Man, and Cybernetics (IEEE SMC 2019)(under review)*.

## Volunteer Experience

- **Angelhack Hackathon Hanoi Organizer** — *Apr. 2016 – Apr. 2016*

## Extracurricular activity

- **Japan EBA Fieldwork** — *Aug. 2017 – Sep. 2017*