

# Dat Vu Tuan

[tuandatk25a\(at\)gmail.com](mailto:tuandatk25a(at)gmail.com) | (+84) 966 778 295 | Github: [vtdat](#)

E33 Ngo Thi Nham Auction area, Ha Dong dist., Hanoi, Vietnam

## EDUCATION

### Hanoi University of Science and Technology

Hanoi, Vietnam

Bachelor of Information and Communication Technology; GPA: 3.00/4.0

September 2013 - Expected July 2019

**Thesis:** Construction of a system collecting and monitoring logs, metrics, and traces information of distributed applications

## SKILLS

- **Languages:** Python, C, SQL, Java, PHP, JavaScript
- **Frameworks:** Spring, Flask, CodeIgniter, Yii 2, jQuery
- **Technologies:** Ubuntu, GitLab, Docker, OpenStack, Redis, Jaeger

## EXPERIENCE

### Viettel Networks

Hanoi, Vietnam

Cloud Engineer Intern

November 2018 - Present

- **VSmart:**
  - \* Correlating traces and logs by aggregate identifications of traces to logs
  - \* Correlating traces and metrics by attaching application instant metrics to traces
  - \* Installing and analyzing Elastic APM to VSmart staging environment
  - \* Installing and analyzing Amazon OpenDistro to VSmart staging environment

### Nanyang Technological University

Singapore

Research Assistant

April 2018 - October 2018

- **Cloud-based Dynamic Streaming and Loading of 3D Scene:** An approach for out-of-core dynamic streaming of a virtual scene
  - \* Implementing a python script to breakdown huge XML files consisting of several 3D objects into individual files of one object
  - \* Implementing a python script to automatically compare local storage and cloud storage and synchronize them by uploading missing files
  - \* Loading, converting and real-time streaming 3D objects to Unity scene
- **Efficient scheduling for dynamic streaming of 3D scene for mobile devices:** An efficient resource scheduling scheme for out-of-core dynamic streaming of a 3D scene
  - \* Implementing a python script to construct a 2D map based on a 3D dataset
  - \* Implementing a python script to find a shortest path between two selected source and destination using Dijkstra's algorithm
  - \* Prioritizing objects based on their size and using them to define a scheduling streaming scheme with RabbitMQ for the best mobile devices experience

### HBLab

Hanoi, Vietnam

Software Engineer Intern

May 2015 - Aug 2015

- **TimeSheet:** Using Yii2 and Slack webhook to create a checking attendance application
  - \* Creating a Google Apps Script handling Slack messages to record employees' starting and ending time
  - \* Auto generating employee' working time summary at the end of the month in Slack or viewing it on Yii2 web application
- **Online learning system:** Implementing payment module with WebPay (service closed)

## ADDITIONAL EXPERIENCE & ACHIEVEMENTS

- One of two students joining **EBA Fieldwork 2016** hosted by *Keio University* in Japan
- Coauthor of "Cloud-Based Dynamic Streaming and Loading of 3D Scene" in *The 2018 International Conference on Cyberworlds (CW)*, Singapore, DOI: 10.1109/CW.2018.00079
- Coauthor of the **IWAIT best paper award** *Efficient scheduling for dynamic streaming of 3D scene for mobile devices* in *2019 Joint International Workshop on Advanced Image Technology (IWAIT) and International Forum on Medical Imaging in Asia (IFMIA)*, Singapore, DOI: 10.1117/12.2521357
- ETS certificate of scoring 910/990 in *TOEIC Listening and Reading Test*