

Employment

Software Engineer, Full Time **Traveloka.com** **March 2015-July 2016**

- Developed Traveloka Distributed Push Notification-based products, namely Flight Reminder, Preflight Changes, and Price Alerts.
- Developed Traveloka Traveler's Picker feature.
- Built internal tools for Customer Operation department to track customer emails and sms.
- Developed Traveloka application and session service.
- Developed Traveloka Distributed Booking and Issuance system.
- Maintained and executed data migrations for around 7 millions Traveloka users.
- Maintained 47 Amazon Web Service application servers in Traveloka web system.

Research Scientist **High Performance Computing Laboratory, University of Indonesia** **September 2014- February 2015**

- Developed multi-CPU's application to perform a computer vision task.
- Developed algorithms to improve classification speed and accuracy of the computer vision application.
- Published "Utilizing Google Images for Training Classifiers in CRF-Based Semantic Segmentation" paper in Journal of Advanced Computational Intelligence and Intelligent Informatics 2016, authored by Rizki Perdana, Vektor Dewanto, Aprinaldi, and Wisnu Jatmiko.

Research Scientist **Tokyo Institute of Technology** **August 2013-August 2014**

- Developed image processing application to track the distribution of rice field in Java Island.
- Developed Autoencoder-based algorithm to improve image classification result by 25%.
- Published technical paper "Rice Field Detection Using Satellite Images with Machine Learning Method" in Kumazawa Imaging Science and Engineering Laboratory under the supervision of Dr. Eng. Itsuo Kumazawa and Ivan Fanany, Ph.D.

Education

University of Indonesia **Depok** **August 2010 - January 2015**

Bachelor of Computer Science

G.P.A. 3.62

- **Undergraduate Coursework:** Operating Systems; Databases; Algorithm Design and Analysis; Programming Languages; Comp. Architecture; Computational Geometry; Data Mining; Parallel Computing; Statistical Theories of Brain Computation; Graph Mining; Pattern Information Processing;

Additional Experience and Awards

- **Finalist, Data Mining Contest (2014).** Top 10 finalist in National Data Mining Contest, Gemastik 7.
- **Finalist, Programming Contest (2013).** Top 20 finalist in National Programming Contest, ITBPC.
- **Finalist, Software Design Contest (2012).** Top 4 finalist out of 50 projects in Microsoft Imagine Cup Indonesia.

Languages and Technologies

- Github, C++; C; Java; Linux; Bash; Python; Matlab; HTML; CSS; Javascript; Apache Spark; IntelTBB; CUDA; MongoDB; PostgreSQL; Redis; Nginx; RPC-JSON-based microservices;

