Dicky Adhitya Dwiantoro

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EDUCATION

2015 – 2017: Master Degree at **Global Navigation Satellite System (GNSS), Ecole Nationale de l'Aviation Civile (ENAC), Toulouse, France**

2009 – 2014: Bachelor degree of Engineering Physics **at Faculty of Industrial Technology, Bandung Institute of Technology (ITB), Indonesia**

Bachelor Thesis Project - *Prototype System Vision for Dynamically Rail Wear Inspection*.

PROFESSIONAL EXPERIENCE

Fugro Innovation & Technology B.V,

- **Agile Product Owner GNSS Hardware (PSPO I),** January 2021-present:
  - Develop and maintain Fugro GNSS Hardware products to be aligned with the vision and the general product roadmap.
  - Acting as liaison between business, sales, and development teams to refine product and incorporate features based on market demands.
  - Populate and organize product backlog in Jira by formulating understandable requirements, epics, and user stories.
  - Prioritize work package for the development team and schedule deliveries (release planning).
- **Innovation Support Engineer** period: May 2019-present**:**
  - Support the development team as an embedded software tester to test new modules and functionalities as a part of regression and integration testing prior to release.
  - Formulate test plans and test cases by exploiting TestRail as the main tool.
  - Provide technical helpdesk support mainly in GNSS-related issues to Fugro Operating Companies
  - Writing of technical manuals and knowledge base article in Confluence.

GNSS Engineer at GNSS Technologies Inc. Japan, period: May 2018-April 2019

***Role*:**

- Provided technical assistance to the International Division for Overseas Business decision-making.
- Conducted testing on Swift Navigation Multi Piksi Receiver (RTK Scenario), NAVCOM SF-3050 Starfire (PPP Scenario) and GNSS Simulator Spectracom GSG-5
- LiDAR Acquisition Data with RIEGL VUX-1UAV (Odaiba and Rainbow Bridge Scanning)

Project AIRBUS "FLY YOUR IDEAS" 2017 Student Competition (TOP 5 FINALISTS) – Compact Luggage Strategy Boarding Method, period: September 2016 – May 2017 (8 Month)

Objective: Formulated new boarding system to assign boarding status to passengers based on their luggage size in order to reduce seat and aisle interference inside the airplane.

Role: Built simulation model of airplane boarding using Anylogic Software, built MATLAB program to calculate boarding time, and developed database server of passengers using MySQL.

Internship at M3 Systems, period: February 2017-August 2017 (6 Month)

Objective: Conducted research of signal acquisition and tracking techniques of GNSS receiver for Radio-Occultation (RO) application, implement the most suitable one for the RO scenario and assess its performance in the GNSS Post-Correlation Simulator (MATLAB-based).

Applied Project GNSS Reflectometry, period: October 2016 (4 Month)

Objective: Develop the existing GNSS bistatic remote sensing method in MATLAB to obtain useful meteorological information by using the Earth reflected GNSS signal.

LANGUAGE

English (Fluent), France (DELF B1-Intermediate), Japanese (Basic)

SKILLS

UiPath(RPA), Javascript, Python, MATLAB, Git, Markdown, Hugo, TestComplete14, TestRail, Jira, Confluence, Office365,