Tubagus Muhammad Reza Handzalah

rezahandzalah@gmail.com · +6281312646370 · https://tbmreza.github.io/hello

EXPERIENCE

PT Telekomunikasi Indonesia Jan 2019 | Jun 2019
as Data Scientist Intern @ Divisi Digital Service

- Contributed to computer vision projects such as Document Recognition with OCR.
- The project does the OCR computation in Google Cloud Platform. My contribution was developing the system's command line interface application for integration with Telkom's existing recruitment website.

Optical Communication System Lab Aug 2017 | Aug 2018
as Research Assistant Coordinator

- Organized FTTH Drafter Training, paid optical communication system training event with 30 participants (mostly final-year undergraduate students).
- Competed in Ristekdikti PKM. My team managed to get 2 proposals accepted.

PT Radar Telekomunikasi Indonesia Apr 2018 | Jun 2018
as Intern

- GUI project (Microsoft Visual Studio) for radar antenna motor.

PROJECTS

xls2json *Python*
pypi.org/project/xls2json/

- Command line interface tool to convert XLS file to JSON.

Grab Computer Vision Challenge *Python*
github.com/tbmreza/grab-computer-vision-challenge

- Explored the effect of background removal as image classification pre-processing.
- Dataset: Stanford Car (over 16000 images). Architecture: EfficientNet.

PixelAdder: Image Restoration based on Convolutional Neural Network for Intelligent Surveillance Camera *Python, Matlab*

- Gemastik 2018 participant team member.
- Built a CNN that maps less recognizable 8x8 pixel face image to 32x32.

Computer Vision Course Final Project *Matlab*

- Matlab GUI development to demonstrate a given paper.
- Paper title: *Single-Image Super-Resolution Based on Rational Fractal Interpolation*

EDUCATION

Telkom University Aug 2015 | Apr 2019
Sarjana Teknik Telekomunikasi

thesis:	*Design of WDM VLC in FTTH Network*
publication:	ejournal.itn.ac.id/index.php/seniati/article/view/2309
GPA:	3.65/4.00
honor:	Cum Laude

SKILLS

languages:	Python, JavaScript
tools:	Ubuntu, Jupyter, Git, LaTeX
general:	Optical Communication System, Computer Vision, Software Engineering

ONLINE CERTIFICATIONS

JavaScript Algorithms and Data Structures freeCodeCamp
freecodecamp.org/certification/tbmreza/javascript-algorithms-and-data-structures

Data Science on the Google Cloud Platform Baseline: Data, ML, AI Qwiklabs
qwiklabs.com/public_profiles/a52e3f27-2aaa-405a-bdd4-8bd2c6c2a89b