

Ismail Sunni

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EDUCATION

- **Universitat Jaume I; University of Muenster** Castellon, Spain; Muenster, Germany
Master of Geospatial Technology; ongoing Sept. 2018 – March 2020 (expected)
- **Institut Teknologi Bandung** Bandung, Indonesia
Bachelor of Science in Informatic Engineering; GPA: 3.65/4 Aug. 2008 – July. 2012

WORK EXPERIENCE

- **Kartoza** South Africa
Software Engineer Mar 2014 - Aug 2018
 - **InaSAFE**: InaSAFE is free software that produces realistic natural hazard impact scenarios for better planning, preparedness and response activities. Implemented as QGIS plugin and extended as near-realtime analysis. Tech: Python, PyQGIS, PyQt
 - **GeoNode with QGIS Server**: Develop early version of supporting GeoNode with QGIS Server. Tech: Django, Python, QGIS Server
 - **GeoNode Integration on QGIS**: Adding GeoNode support on QGIS. Tech: Qt C++
 - **InaSAFE Realtime**: Implement InaSAFE to do near-realtime disaster analysis. Tech: Python, Django, Docker.
 - **GeoContext**: GeoContext is a service that will fetch data for a geographic position. Tech: Python, Django, Django Rest Framework.
 - **SG Diagram Downloader**: A QGIS plugin that will download SG (South African Surveyor General) diagrams. Tech: Python, PyQGIS, PyQt.
 - **Stream Feature Extractor**: A QGIS plugin to extract features from a stream network. Tech: Python, PyQGIS, PyQt.
 - **Projecta**: A django app for creating visual changelogs for software releases. Deployed on <http://changelog.qgis.org/>, <http://changelog.kartoza.com/en/>. Tech: Python, Django
 - **QGIS and InaSAFE Training**: Give training for QGIS and InaSAFE in Indonesia and Malawi.
 - **FloodHack 2016**: Organizing hackathon for solving flood problem in Jakarta, Indonesia.
 - **Various Web GIS**: Develop custom Web GIS based on the customer's requirement. Tech: Python, Django, Leaflet, Docker
- **Australia Indonesia Facility For Disaster Reduction** Jakarta, Indonesia
Software Engineer Aug 2012 - July 2013
 - **InaSAFE**: InaSAFE is free software that produces realistic natural hazard impact scenarios for better planning, preparedness and response activities. Implemented as QGIS plugin

PROJECTS

- **Google Summer of Code 2019 participant with OSGeo.**: QGIS 3D Improvement: On Screen Navigation, Bookmarks, Rendering Point Feature as Billboard, and Measuring Tool. Tech: Qt C++, 3D Programming
- **Docker QGIS 3 Model**: Running QGIS 3 Model inside Docker. Tech: Docker, Python, QGIS
- **F3 : Factor Finder**: Sentiment Analysis and Sentimental Topic Extraction from Opinion about Public Figure Opinion in Bahasa Indonesia. Tech: Python, Sentiment Analysis, NLTK
- **altRnative**: R package to run and benchmark R script across R implementation and OS. Tech: R, Docker.
- **Pedestrian Routing**: Implement landmark extraction and routing algorithm based on A* with landmarks for pedestrian. Tech: Python.

MISCELLANEOUS

- **Erasmus Mundus Scholarship**: Scholarship for pursuing master of geospatial technology in Spain, Portugal, and Germany, 2018-2020
- **OSGeo Travel Grant**: Travel grant for presenting my Google Summer of Code project with OSGeo at FOSS4G Belgium 2019 Conference
- **Indonesia Python Community**: Act as treasurer of the community and Python community meet-up organizer in Yogyakarta (inactive), Indonesia: <http://python.or.id/>
- **Indonesia QGIS User Group**: Initiator of Indonesia QGIS User Group: <https://qgis-id.github.io>