**Nguyen Duy Thao**

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| Name: | | Nguyen Duy Thao |
| Portrait | | A person looking at the camera  Description automatically generated |
| Nationality: | | Vietnamese |
| Contact information: | | Tel: 0987 71 2467; Email: [thaond@live.com](mailto:thaond@live.com), ndt198@gmail.com |
| Countries of Work Experience: | | Vietnam, EU |
| Language Skills:  page34image29247360 | | English |
| Educational and other Qualifications:  page34image29248896 | | Bachelor in Information Technology 2006  **Other Trainings:**  SCJP (Sun Certified Programmer for the Java Platform, SE 6) |
| **Summary of Experience:**   * 12 years experiences as software engineer * Worked as lead engineer for large GIS project including Vietnam Forest Information System (FORMIS); ERP; Cloud removal for Optical sensor for Vietnam Space Agency. * Strong experiences in database design, system design, implementation of WebGIS for large scale application. | | |
| Relevant Experience (From most recent): | | |
| Period: From - To | Name of activity/ Project/ funding organisation, if applicable:  page34image29253696 | Job Title and Activities undertaken/Description of actual role performed: |
| May. 2019 – Dec. 2019 | **Project:**  Develop and finalize the data visualization tools for disaster damage and need assessment, analysis and tracking | **Job title: IT Expert**  **Client: UNDP**  **Company: Independent consultant**   * Develop calculation model to estimate damage for each disaster (storm) * Develop web interface to visualize result in: charts, map * Develop services to process raw data input |
| May. 2016 - Apr. 2019 | **Project:**  Algorithm development for cloud removal of multi- temporal MODIS data – A case study in Indochina Peninsula | **Job title**: **IT Expert**  **Client: Jica**  **Company: Independent consultant**  Responsible for:   * Developing algorithms and interpolation software to remove clouds automatically from multi- temporal MODIS data * Collecting ground truth data for the main land cover types in Vietnam to validate quality of MODIS datasets after cloud removal, drawing graphs to describe phenology of the main land cover types using cloud-free MODIS datasets. * Developing 2 cloud-free datasets of MODIS 8-day 250m 2 spectral channels and MODIS 16-day 500m 7 spectral channels from 2000 to present, covering whole Indochina peninsula, the entire upper basin of the main river flowing through Vietnam |
| Step. 2008 – Jul. 2018 | **Project:**  Development of Management Information System for Forestry Sector | **Job title**: **Expert for System Design**  **Client: Forestry Department of Viet Nam**  **Company: Niras Finland Oy**  Responsible for:   * Design, develop, deploy FORMIS SOA platform * Design core modules for system (GeoServer, Geo-Database, Data Sharing System) * Develop core modules for system (GeoServer, Geo-Database, Data Sharing System) * Design network for FORMIS Infrastructure * Integrate other system into FORMIS platform * Support deploying FRMS (Forest Monitoring Management System) for whole Viet Nam |
| Apr. 2007 - Mar. | **Project:** | **Job title**: **IT Expert** |

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| 2011 (48 months) | Combination of Optical and Microwave data of ALOS for Tropical Forest Mapping | Responsible for:   * Developing a feasible method to remove clouds in optical satellite data. * Developing a method to improve accuracy of tropical forest mapping using a combination of optical and radar images. * Writing and publishing papers in high quality international journal and conference * Writing a final report and submit it to JAXA |
| Dec. 2008 - Aug. 2010 (17 months) | **Project:** ERP System | **Job title**: **Senior Java Developer**  **Client: Honda Viet Nam**  **Company: NTT Data Vietnam**  Responsible for:   * Design database, core components Develop generate part content module - Integrate with existing ERP system |
| Jul. 2007 - Fed. 2008 (5 months) | **Project:** E-Learning System | **Job title**: **Senior Java Developer**  **Client: SUN UK**  **Company: Viettech Group**  Responsible for:   * Develop Single Sign On module Develop Main Navigation Module - Revise code of other junior staff |
| Mar. 2007 - Jul. 2007 (3 months) | page35image29286656  **Project:** BP Pensionline  page35image29287232 | **Job title**: **Project leader**  **Client: BP UK**  **Company: Viettech Group**  Responsible for:   * Analysis requirements Design database, components, architecture, user interface. Code main classes/components of the system |
| May. 2005 - Dec. 2006 (14 months) | **Project:** Phu Tho Province Portal  page35image29289152 | **Job title**: **Java Developer**  **Client: Phu Tho**  **Company: Vietsoftware**  Responsible for:   * Analyzing customer’s requirements * Developed the system. Designed the database, * components and GUI * Took part in testing phase |
| **Reference no.1** | Name: Tapio Leppanen Designation: CTA FORMIS project tapio.formis@gmail.com | |
| **Reference no.2** | Dr Ha Hai Nam Designation: Vice director, Posts and Telecommunications Institute of Technology [nam.hahai@gmail.com](mailto:nam.hahai@gmail.com) | |
| **Reference no.2** | Dr Hoang Viet Anh Designation: Vice director, Green field Consulting Company  hoangvietanh@gmail.com | |