

## Woravich Kumthonkittikul

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### Professional Experience

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10/2014 – 6/2016 : GIS Technical Support, Esri Product Department,  
ESRI (Thailand) Co., Ltd., Bangkok, Thailand.

- Researching evolution of GIS technology, especially from Esri
- Proposing appropriate GIS solutions to clients and partners for improving their workflows – i.e. Advising standard tools or creating customized tools as needed, Being an instructor of on the job training or technical workshop as requested
- Investigating, diagnosing and determining workarounds of Esri software's issues
- Installing, configuring and deploying ArcGIS Platform and relevant components such as web servers and databases
- Translating and documenting Esri technical documents from English into Thai version and presenting to Thai customers
- Exhibiting Esri products' booths in Thai User Conference 2014 and Asia Pacific User Conference 2015 in Bangkok
- Particularly taking responsibility for Network Analyst Extension (extension in ArcGIS Pro, ArcMap, ArcGIS Server), ArcGIS for Server, Portal for ArcGIS and ArcPy (Python library for using ArcGIS)
- My professional skills, such as problem solving, communication, time management, prioritization, teamworking and innovation skills, had been significantly developed. Moreover, I also gathered a wide range of technical skills – i.e. Python programming, Web GIS, Esri product.

3/2013– 5/2013 : Trainee, Pythagoras SEA Co., Ltd., Bangkok, Thailand

- Studying specifications of survey equipment
- Creating digital maps via AutoCAD by scripting commands

### Education

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9/2017 – 9/2018 : Master of Science in Geographic Information Science (Distinction),  
University College London (UCL), United Kingdom.

Dissertation: Configurable Web GIS dashboard analysis system: a case study of Environmental Impact Assessment (EIA) in Atkins (undertaken in a partnership with Atkins)

#### Relevant modules

- **GIS Principles and Technology:** overview of GIScience and GISystems including the principle of object-oriented programming; Python.
- **Web and Mobile GIS - Apps and Programming:** programming for the Web mapping application using mainly HTML, CSS and JavaScript on both client and server side frameworks, and deploying across platforms by independent method – i.e. phone-gap
- **Spatial Databases and Data Management:** database design and data management for both spatial and non-spatial data
- **Network and Locational Analysis:** the methodologies and techniques to solve locational problems

5/2010 – 4/2014 : Bachelor of Engineering (1<sup>st</sup> Class Honours, Gold medal, GPA 3.67/4.00)  
in Survey Engineering, Chulalongkorn University, Thailand.

Senior project: Evaluating the accuracy of Precise Point Positioning by using the different time duration with Scientific Software

Relevant modules Principles of Geographic Information Systems; Cartography

## Computer/Programming skills

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- Programming/Database languages
  - **Python:** implemented real-life problems for commercial work, a part of one module in MSc GIS course and online courses self-study
  - **JavaScript:** a major part of MSc dissertation project, one module in MSc GIS course, online courses and intensive self-practicing
  - **SQL:** one module in MSc GIS course, online courses and intensive self-practicing
  - **R:** two modules in MSc GIS course and online courses self-study
  - **Other language:** MATLAB and Java
- GIS Packages
  - **Esri:**
    - Achieve a technical certificate (Enterprise Administration Associate 10.3, ArcGIS Server)
    - Implemented real-life problems for commercial work: Desktop Software, Web GIS and Mobile Applications
    - Took several Esri both technical and non-technical training programmes
  - **QGIS:**
    - Having sufficient skills for using software efficiently
    - Being capable of working with Python script

## Certifications/Awards

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- 2<sup>nd</sup> place winner of Esri Thailand Innovation award: “MOT Transport Journey Planner” project (Esri Thailand, 12/2015)
- Enterprise Administration Associate 10.3 (ESRI Technical certification, 3/2015)
- 1<sup>st</sup> Class Honours Gold Medal (University medal from Chulalongkorn University, 7/2014)
- Intania Role Model 2013 (Award from Faculty of Engineering, Chulalongkorn University, 2/2014)
- Outstanding Academic Achievement Award 2011 and 2012 (Award from Faculty of Engineering, Chulalongkorn University, 1/2012 and 1/2013)

## Volunteers/Activity Experience

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2010 - 2016: *Baan KOH Chula, core member and head in 2011*

- A group of students who arrange welcoming freshmen activities.
- The experience developed me in various aspects – i.e. leadership, management, socialising and teamworking skills.

2015: *Esri Thailand voluntary camp, member*

- Teaching and entertaining a hundred of pupils in Prachinburi Province.

2010 - 2013: *Core member of SJM volunteer for rural development club*

- The voluntary camps helped rural underdeveloped schools and children in Thailand mainly by constructing their education buildings and teaching local pupils.
- Strongly contributing and participating in several rural and development camps in Sisaket Province (2010), Tak Province (2011), Mahasarakram Province (2011) and Kanchanaburi Province (2013).
- Service mind was cultivated into my personality. Furthermore, I intensely experienced physically and mentally tough work.

## Languages

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- Thai (Mother Tongue), English (Proficient)