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| Bangkok, Thailand  +668-7021-0916  nopthakorn@gmail.com | **Nopthakorn Kutawan** | [linkedin.com/in/nopthakorn](http://linkedin.com/in/nopthakorn)  [github.com/nopthakorn](https://github.com/slimn)  [nopthakorn.me](http://nopthakorn.me/) |

**Summary:**

I'm a software engineer and data analyst with over nine years of experience. I've worked for the biggest enterprise data warehouse company in the industry, and my work includes design, development, and implementation of stellar products and services.

**Technical Skills**

*Languages:* C, C++, Objective-C, Python, R, Swift, JavaScript, HTML5, CSS3, C#

*Databases:* MongoDB, ElasticSearch, SQLite.

*Frameworks:* Django, D3js, Jasmine, XCode, Android.

*Operating Systems:* OS X, LINUX, Embedded Linux, Windows.

*Other:* Git/GitHub, SVN.

**Project Experience**

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| **Analyze the Stroop effect -** [*Using descriptive and inferential statistics to draw a conclusion of interference in the reaction time*](https://github.com/slimn/Data-Analyst/tree/master/P1-Analyze%20the%20Stroop%20effect) | *November 2015* |
| **Investigate Titanic data -** [*Investigation, analysis and created summary report with NumPy and Pandas*](https://github.com/slimn/Data-Analyst/tree/master/P2-Investigate%20Titatic%20data) | *December 2015* |
| **Wrangle OpenStreetMap Data -** [*Wrangling OpenStreetMap data of Bangkok Thailand using MongoDB.*](https://github.com/slimn/Data-Analyst/tree/master/P3-Wrangle%20OpenStreetMap%20Data%20Bangkok%20Thailand) | *December 2015* |
| **Explore Prosper Loan Data -** [*Exploratory and analysis Propser.com loan data with R.*](https://github.com/slimn/Data-Analyst/tree/master/P4-Explore%20Prosper%20Loan%20Data) | *January 2016* |
| **Identify Fraud from Enron Email -** [*Used machine learning to building an algorithm to identify and predict Enron employees who may POI.*](https://github.com/slimn/Data-Analyst/tree/master/P5-Identify%20Fraud%20from%20Enron%20Email) | *March 2016* |

**Work Experience**

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| **Bangkok Payment Solution-** *Senior Consultant* | Bangkok, TH | *January 2016-Present* |

Responsible for Software and Firmware development.

* Design and develop firmware of smart card reader for public transport system.
* Design and develop cryptographic algorithm for smart card system.

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| **INCOTEC Automation (Thailand) Ltd-** *Senior Engineer* | Bangkok, TH | *November 2014-September 2015* |

Responsible for embedded system firmware development.

* Designed and developed firmware for battery testing system.
* Designed firmware of manufacturing I/O expansion machine.
* Designed serial impulse console application for signal injection.

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| **HGST, a Western Digital company. -** *Senior Engineer* | Prachinburi, TH | *August 2006 – October 2014* |

Responsible for Data Analyst and Software Engineer for Servo Track Write.

* Analyzed radial dataset and developed algorithm to improved head selection with gain up yield t0 98%
* Designed and developed real-time abnormal motor current detection system to reduce scrap cost up to 100M$ per year.
* Analyzed and developed predictive model of motor current to avoid head disk interface with gain up yield t0 95%
* Failures Data analysis technical consultant, mentor and coaching for engineer team.

**Education**

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| **Udacity -**  *Nanodegree, Data Analyst Nanodegree.*  **King's Mongkut Institute of Technology North Bangkok *-*** *Electrical Engineering, B.S.* | *November 2015*  *March 2006* |

**Activities**

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| * IEEE Young Professionals. * IEEE Computer Society member. * IEEE Signal Processing Society. * UNICEF Volunteer. | *January 2014 - Present*  *January 2012 - Present*  *January 2012 - Present*  *September 2011 - Present* |