

## Guan-Lin Li

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### SUMMARY

I am a new graduate from National Cheng Kung University and engaged in the research of natural language processing and text mining, including topic model, sentiment mining, Chinese segmentation, etc. My master thesis is using probability model to predict aspect rating from hotel reviews. Moreover, I have some experiences about maintaining website and redesigning database schema.

### EDUCATION

#### **National Cheng Kung University**

M.S. in Computer Science and Information Engineering

GPA : 3.68 / 4.0

Tainan, Taiwan

Jul 2015 – Sep 2017

#### **National Taitung University**

B.S. in Computer Science and Information Engineering

GPA : 3.67 / 4.0

Taitung, Taiwan

Sep 2011 – Jun 2015

### RESEARCH

My thesis is **Latent Aspect Mining for Short and Unrated Reviews** [1] which can predict aspect rating, predict overall rating and extract keyword for different aspect. I reference the research which is latent aspect mining focused on short text and improve the problem that have a worse performance in specific condition. The reference paper also prove source code and open data. I spend two month to understand it and find the main weak to enhance the accuracy of 40% under harsh conditions. Moreover, my thesis has submitted to PAKDD.

### PROJECT EXPERIENCE

#### **2015 MOST Project – Issue Analytics and Knowledge Discovery Platform for Social Communications on Clean Energy Society**

- Our works are analyzed sentiment influences and opinion mining in society medial.
- My work is calculating the sentiment polarity of words in the specific-domain by semi-supervised algorithm.

#### **2016 Industrial Fundamental Technology Project – NCKU Rmotors Website Management**

- Our works are maintain and update rmotors website.
- My work is maintain backend which built by php and jQuery.

#### **2016 Top University Project – NCKU KPI system management**

- Our work is rebuilding database schema and manage website of college of electrical engineering and computer science.
- My work is database redesign.
  - Remove 40% redundant data from database.

### AWARDS

- 2015 TSMC Big Data Analytics for Semiconductor Manufacturing [2] - **Honorable Mention** (4~6/67)
- 2013,2014 National Collegiate Programming Contest - **Honorable Mention** [3]
- 2013 Collegiate Programming Examination - Grade A, Ranking : 46 / 819 [4]
- 2014 Red Hat Certified System Administrator

## **SKILL**

**Technical Language** : Java, Python

**Others** : NLP, web crawler, machine learning tool

## **REFERENCE**

[1] Latent Aspect Mining for Short and Unrated Reviews : <https://goo.gl/aNpncn>

[2] TSMC picture: <https://goo.gl/QtTQSi>

➤ Team name : 1KM

[3] National Collegiate Programming Contest

➤ 2013 NCPC (Team name : 波多老師我愛你) : <https://goo.gl/YUyNeA>

➤ 2014 NCPC (Team name : NyanCat) : <https://goo.gl/z9RLBd>

[4] CPE : <https://goo.gl/1K5Qp1>