Guan-Lin Li

Mobile Phone : +886-937-938-768 | Email: youmu257@gmail.com | Github : https://github.com/youmu257

Summary

I possess self-learn engineering and analyst skills combined with relevant qualifications. As a competitive person, I have studied in a (1) Masters of Science degree program for Computer Science. I have cross-disciplinary interests, spanning fields such as software development, machine learning and text mining. I have also completed relevant projects in NLP (Nature language Processing), Web text mining, machine learning and website backend design.

Education

Sep. 2015-Jul. 2017	M.S., **Department of Computer Science and Information Engineering,** *National Cheng Kung University* (Rank 44 in CS area by US News) Thesis title: *Latent Aspect Mining for Short and Unrated Reviews*	GPA: 3.68 / 4.0
Sep. 2011-Jul. 2015	B.S., **Department of Computer Science and Information Engineering,** *National Taitung University*	GPA: 3.67 / 4.0

Research

I study text mining technology and natural language processing, likes topic model, sentiment mining, Chinese segmentation, etc. My thesis is **Latent Aspect Mining for Short and Unrated Reviews** which can predict aspect rating, predict overall rating and extract keyword for different aspect. My research is better than past research which focus on short text reviews. Moreover, my thesis has submitted to PAKDD.

Work Experience

Mar. 2018- May. 2018 (2 months)	**Sercomm** **Position**: Software Engineer in charge of: **(1)** Building API for smart home **(2)** Work with the hardware team and test team

Skills developed include: database, cloud application development

Technical Experience

❖ **Graduate school**

Aug. 2016- Feb. 2017	**NCKU KPI system management** *Top University Project* We charge of rebuilding database schema, designing layout, backend maintenance and bug fix.

Skills developed include: *database management, php, javascript, html*

Jul.2016-Dec. 2016	**NCKU Rmotors Website Management** *Industrial Fundamental Technology Project, Engineering Technology Promotion Platform* We charge of publishing content, maintaining continuity of themes, designing layout, backend maintenance and bug fix.

Skills developed include: *database management, php, javascript, html*

Jul. 2016-Nov. 2016	**Objects extractor: Extract Objects entity from Chinese articles** Using e-HowNet's concept as a label. Then, use those labeled terms to build SOC-PMI matrix to extend "Objects" dictionary. (e.g., Wash "car". Car is being washed, so I know we always wash some object; therefore, the noun following after "wash" has a high probability of being an object.)

Skills developed include: *Second-order co-occurrence pointwise mutual information (SOC-PMI), e-HowNet.*

Sep. 2015-Jan. 2016	TSMC Wafer Processing Log Analysis - TSMC holds 53% global market share. In this project, we used wafer processing log to find the main root cause and multi root cost to increase the wafer yield.
Skills developed include: *Statistical analytics, Manufacturing process log analyze*	
Apr. 2015-Jan. 2016	**Issue Analytics for Social Communications on Clean Energy Society** National Science and Technology Project, Ministry of Science and Technology, Taiwan (Project ID: MOST 104-3113-F-260-001) To analyze sentiment influences and opinion mining in society medial. My job is calculating the sentiment polarity of words in the specific-domain by semi-supervised algorithm.
Skills developed include: *Sentiment analysis, Opinion mining, Natural language processing, Chinese segment*	

❖ **Undergraduate school**

National Taitung University Oct. 2013-Dec. 2013	**Collegiate Programming Examination Professional Co-learning Group** I assist teacher to handle any problem during student implement algorithm.

Skills developed include: Java, Algorithm

Academic Work Experience

❖ **Undergraduate school**
   Teaching Assistant – Discrete Mathematics (Feb. 2016~Jun. 2016)
Skills include: *Dealing with people, Reviewing, Teaching, Discrete Mathematics.*

❖ **Graduate school**
   Teaching Assistant – Programming Contest (Sep. 2015~ Nov. 2015)
   Teaching Assistant – Programming Contest (Sep. 2014~ Nov. 2014)
Skill include: *Dealing with people, Code reviewing, Teaching, Java programing, Algorithm.*

Awards & Certificate

2016	IBM special award for TSMC Project	The 4rd place - Increase the wafer yield.
. 2014	Red Hat Certified System Administrator	
. 2014	National Collegiate Programming Contest 2014, @ Kaohsiung, Taiwan	Honorable Mention – Rank 40 / 105 [3]
. 2013	National Collegiate Programming Contest 2013, @ Kaohsiung, Taiwan	Honorable Mention – Rank 32 / 94 [3]
. 2013	Collegiate Programming Examination	Grade A, Ranking : 46 / 819 [4]

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