

# BRYAN CHUN-YUAN CHENG

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## SUMMARY OF QUALIFICATIONS

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- Be proficient in JavaScript, React with modern frontend framework development
- Good understanding of PHP, Python and RESTful API design
- Highly self-motivated in modern FE stack, great ability in teamwork, efficiently project development.
- Hands-on experience in FE release process and CI/CD pipeline
- High profile hackathon winner in Yahoo and Mozilla

## TECHNICAL KEYWORDS

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**Frontend Skills:** JavaScript, jQuery, React, HTML/CSS, Bootstrap, npm, Bower, glup.js, JSHint, Browserify, Mocha, Chai, Jest

**Backend Skills:** PHP, PHPUnit, Python, Flask

**Platform:** Heroku, GitHub, CI/CD Pipeline, Travis CI, Coveralls

**Research Interests:** Information Retrieval, Data Mining, Opinion Mining

## WORK EXPERIENCE

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### YAHOO

**Taipei, Taiwan**

*Software Engineer, Search Engineering*

September 2014 – Current

- Migrated vertical search FE platform includes 37 global markets with diverse verticals domains include Yahoo media domain & Yahoo7 partnership.
- Optimized user experience for Yahoo web search and Mozilla Firefox search engine, improved the display advertising and search content.

### TAIWAN MOBILE INNOVATION

**Taipei, Taiwan**

*Incubation Team, Startups*

June 2014 – August 2014

- Project Pageiner:
  - Built synchronous mechanism for auction from Yahoo/eBay/Ruten to Facebook page, integrated Facebook Insights API and embed.ly statistics in business report individually.
  - Served 90+ users within 19 active Facebook Pages and synced over 7000+ products for business marketing.

### YAHOO

**Taipei, Taiwan**

*Summer Intern, Search Engineering*

July 2012 – August 2012

- Built content-based search suggestions from various corpus, and combined time-based queries recommendation mechanism for News, Movies and Answers verticals.
- Adopted FP-growth association rules for candidate queries, constructed alternative search assist in bucketing.

### INSTITUTE OF INFORMATION SCIENCE, ACADEMIA SINICA

**Taipei, Taiwan**

*Intern, Digital Archive Architecture Laboratory*

Feb 2009 – Aug 2011

- Contributed online image search application based on CCH (Contrast Context Histogram), established architectural feature-based search engine for Taiwan's historic buildings.
- Cooperated development video streaming platform with Chinese Television System (CTS); adopted open source video platform *Kaltura* as an editorial backend.

- Built WASIGHT.COM, which is a DAVEART-liked social network for design academy students. Involved in frontend development and backend APIs integration.

## HONORS

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| • Yahoo! Hack Taiwan 2013 Second Place   | November 2013 |
| • Mozilla Firefox OS App Day 2013 Second Place   | January 2013  |
| • Yahoo! Open Hack Day 2012 Second Place &<br>Yahoo! Open Hack Day 2012 The Most Potential Award | October 2012  |

## EDUCATION

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| <b>M.S., Computer Science, YUAN ZE UNIVERSITY</b>  | June 2013 |
| • <b>Honors:</b> 2011 Outstanding TA Award   |           |
| • Focus on <b>Machine Learning</b> and <b>Information Retrieval</b><br>Data Mining / Bioinformatics / Computational Biology / Agile Software Development |           |
| <b>B.S., Computer Science, YUAN ZE UNIVERSITY</b>  | June 2011 |

## COMMUNITY

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|---|---------------|
| <b>g0v Summit 2014</b>  |               |
| <i>Program Assistant</i>  | November 2014 |
| • Coordinated speakers and visiting scholars, arranged conference events and multiple-track sessions. |               |

## COSCUP (Conference for Open Source Coders, Users and Promoters) 2012

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|---|---------------------|
| <i>Attendee Team Lead</i>   | Feb 2012 – Aug 2012 |
| • Organized administration team of 8 members to host conference over 1000+ attendee, supervising registration, attendee analytics, and administrative functions by conducting online coordination meetings. |                     |

## Mozilla Taiwan Community

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| <i>Localization Owner</i>  | Sep 2009 |
| • Localized addons.mozilla.org (AMO) and Firefox Sync in Traditional Chinese.            |          |
| • Conducted campus promotion and activities for Firefox 4 and arranged internal affairs. |          |

## PUBLICATIONS

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**Chun-Yuan Cheng**, Yu-Chun Wang, Richard Tzong-Han Tsai. IISR Crosslink Approach at NTCIR 9 CLLD Task. In *NII Testbeds and Community for information access Research (NTCIR) 9*, Japan, December 2011.

Yu-Ting Hsiao, **Chun-Yuan Cheng**, Cheng-Hung Li, Yu-Zheng Wang, Hsiang-An Wang. Annotating Photographs of Places of Interest in Taiwan - A Multifaceted Photo Summarization Method Based on TELDAP. In *International Journal of History and Arts Computing (IJHAC) 2011*.