

# Wei-Chung (Victor) Hu / 胡維中

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## QUALIFICATION SUMMARY

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- Love to deal with complex requirements by problem understanding and requirement elicitation skills.
- Experienced in developing key systems for teams, setting up outsourcing contract and spec.
- Highly interested in building revolutionary, value-delivery social community.

## SKILLSET IN THE LAST 2 YEARS

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- **Languages:** Python, JavaScript    **Technologies:** Django, REST, TravisCI, SQLite/PostgreSQL, GitHub

## EXPERIENCE

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- **TripPlus.cc** Taipei City, Taiwan  
*Backend Engineer* Aug 2018 - Present
  - **In-House Referral Tracking:** Generating referral codes, embedding cookies, and managing referral purchases redirected from TripPlus affiliates.
  - **Credit Card Database:** Collecting & analyzing credit cards for mileage planning. Designed data model for maintaining most updated credit card dataset.
  - **Content Sharing & Recommendation:** Developing TripPlus CMS, a global platform for flyers to share their exciting award travels. Providing content suggestions based on personal reading preference. Co-working with front-end team to deliver mobile content creation services.
- **Freelance** New Taipei City, Taiwan  
*Web Engineer* Sept 2017 - Present
  - **Consultant:** ERP and IT/IS team consultant of Lee Fong International Group, Macau
  - **Service Backend:** Working on LuckyStrike, a community to create, advertise and participate commercial lucky draw events. I was responsible for backend part and RESTful-API construction.
- **Lee Fong International Group** Macau, China  
*Technical Lead/Web Engineer* Dec 2016 - Aug 2017
  - **Web ERP:** Developed a lean Web ERP system by Django for HQ office. The system collects sales data from 6 retail POS and reports HQ managers evidence for CRM, purchasing and marketing decisions.
  - **Secure Data Storage:** Built a secure storage system based on Python and VeraCrypt. It is used to preserve key documents and databases by distributed, SHA-256 encrypted virtual disks.
  - **E-Commerce:** Customized a new retail website using Prestashop 1.7 and MySQL to increase product visibility over 300% and enable online ordering.
  - **Outsourcing:** Renewed maintenance contract of legacy POS, which was dropped for 30 months before. Set up contract and specification of next-generation POS with a new vendor.
- **Database and Software Engineering Lab.** NCKU, Tainan, Taiwan  
*Ph.D. Program/Research Assistant/Web Engineer* Sept 2006 - Sept 2016
  - **Patents and Award:** Led project SIMPLE Touch, a sketch-alive platform for kids developed by Python, OpenCV and Kivy. This project won the 3rd place in 1st ITRI/ASUS AIO competition. 3 TW invention patents, including the sketch-alive process, database design, and device design, were derived from this project (TW invention patent no.I416356, no.I423149, and no.I448999).
  - **Game-based Learning:** Maintained SE4PP, a PyGame-based programming learning environment, which was applied in college CS101 for 10 years. Accompanied by: (1) WebHat, an assignment validation system integrating TurboGears, PyLint, Trac, and SVN to create personal working space automatically. (2) SE4PP ELO, a game strategy ranking web by ELO algorithm and prioritized simulation.

## SIDE PROJECT

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- **mmpy\_bot:** A Python chatbot framework for Mattermost(MM) cloud messaging. I am a collaborator of this GitHub project in code evolution to support MM APIv4, refactoring, building test cases and resolving issues.

## EDUCATION

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- Master and Ph.D. of Software Engineering, *DBSE Laboratory, National Cheng Kung University* Taiwan
- Bachelor of Electrical Engineering, *National Cheng Kung University, Taiwan*