# Wei-Chung (Victor) Hu

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## QUALIFICATION SUMMARY

- Being patient in problem understanding and requirement elicitation. Good at discovering low cost, effective solution by selected tools.
- Initiated evolution of 3 key systems in former company. Set up POS outsourcing contract and spec.
- Highly interested in building automated, value-delivery backend services

## SKILLSET IN THE LAST 2 YEARS

- **Languages**: Python, Javascript    **Technologies**: Django, PyTest, TravisCI, SQLite/MySQL, Sphinx, GitHub

## EXPERIENCE

- **LuckyStrike**                                                                     New Taipei City, Taiwan
  *Freelancer/Backend Engineer*                                                       *Sept 2017 - Present*
  - **Consultant**: ERP and IT/IS consultant of Lee Fong International Group, Macau
  - **Service Backend**: Working on a pre-startup project, LuckyStrike. A community to create, advertise and participate commercial lucky draw events.

- **Lee Fong International Group**                                                     Macau, China
  *Technical Lead*                                                                     *Dec 2016 - Aug 2017*
  - **ERP Construction**: Introduced and planned a lean Web-based ERP system for HQ office based on Django. The system gives HQ managers precise evidence of purchasing and marketing decisions.
  - **Secure Data Storage**: Built an encrypted, secure storage system based on Python and VeraCrypt to preserve key documents and databases inside group.
  - **E-Commerce**: Customized a new retail website using Prestashop 1.7 and MySQL to increase product visibility over 300% as well as online ordering
  - **Outsourcing**: Set up contract and spec. with the vendor of next generation POS    Renewed maintenance contract of legacy POS

- **Database and Software Engineering Lab**                                            NCKU, Tainan, Taiwan
  *Ph.D. Program/Research Assistant/Engineer*                                          *Sept 2006 - Sept 2016*
  - **Requirement Enginnering**: Built UCFrame, a web framework to collect and elicit requirements from crowd, with tag system and quality metrics suite designed to collage use cases.
  - **Patents and Award**: Led project SIMPLE Touch, a sketch-alive platform for kids. This project won 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.
  - **Teaching Assistant**: Maintained SE4PP, a PyGame-based programing environment, which was applied in college CS101 for 10 years. Accompanied with : (1) WebHat, an assignment validation system integrating TurboGears, PyLint, Trac, and SVN. (2) SE4PP ELO, a game strategy ranking web by ELO algo. and simulation.
  - **Web Enginnering**: Maintainer of NCKUEE Webs and founder of NCKUEE Room Reservation System, which were developed by PHP5, Joomla CMS, MySQL.

## SIDE PROJECTS

- **Arya**: A command-based lightweight kanban based on Python3 and Django. Arya is built for dynamic ticket layout and smart bots in agile process.
- **Mattermost_bot**: A chat bot framwork for Mattermost cloud messaging. I am a collaborator is this project in promoting evolution to support Mattermost APIv4 and building test cases.
- **Leaf**: A lean ERP and agent framework based on Django. I am working on this project to bring out a new, lightweight ERP module for Django community.

## EDUCATION

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