Liang-Ying (Bill) Huang

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Education

National Taiwan University (NTU)
B.B.A in Information Management   Sep 2016 — Jun 2020
- **Presidential Awards** (107-2 First Prize), **Overall GPA**: 3.65/4.30, **Last 60 Credits GPA**: 4.13/4.30

Work Experience

IIS, Academia Sinica Research Assistant in NLPSA   Apr 2020 — presents
- Researching on recommendation system using heterogeneous information on knowledge graph.
  - ‣ Utilized knowledge graph for recommendation system which based on reinforcement learning and emphasizing on fulfilling users potential needs. Our method beats state-of-the-art methods by 5 to 10 percents.

CTBC Financial Holding Co. Intern   Jul 2019 — Aug 2019
- Developed three new features in a internal system designed for Customer Service Representative (CSR):
  - ‣ Applied NLP technique to analyze customers keywords in phone calls in order to seek potential service problems. Visualized keywords trends as well as found the specific relationship between keywords.
  - ‣ Designed APIs via Flask to transmit analyzed keywords data with servers.

Projects

Fake news detection system   Feb 2019 — Jan 2020
- Applied NLP knowledge and observing behaviors of user who spread fake news to train model with representative features.
- Crawled 2k+ text data and user demographics data for analysis by ourselves on the websites of Executive Yuan, Facebook and PTT.
- Built the system on web, which allowed users to query a news credibility by news contents and showed users detailed information about the news.

Mini Social Media Implementation   Jan 2019
- Leveraged ER diagram to design database schema with over 10 entities and multiple attributes and implement it with Sqlite3.
- Built up a website via Django with several social features such as posting, liking and commenting.

Functional Reduce And-Inverter Graph   Sep 2018
- Simplifying circuits by detecting structurally equivalent parts and identifying functionally equivalent candidate(FEC) pairs through self-designed data structure based on tree and hash.

Kaohsiung Port Smart Pilot Shift Arrangement System   Aug 2018 — Feb 2019
- Backend development for a new scheduling system, cooperating with Kaohsiung Harbor Bureau.
- Built the database and interacted with frontend by API design.

Skills

- **Programming languages and tools:** Python, C++, Django, Shell Script, SQL, Git, LaTex
- **Language:** Native in Mandarin, Fluent in English
- **English Tests Score**: TOEFL 105/120, GRE 320/340, TOEIC 910/990

Extracurricular Activity

2020 **Volunteer**, Reception of International Students.

2019 **Volunteer**, Service Education of teaching junior high students programming.

2016 **Volunteer**, HackNTU (The largest national hackathon on campus with 1000+ participants).