Yue(Amy) Shu

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EDUCATION

- **Lehigh University** — Pennsylvania, USA
  M.S. in Computer Science; Overall GPA: 3.76/4.00 — *Aug 2017 – May 2019 (Expected)*
- **Beijing University of Posts and Telecommunications** — Beijing, China
  B.E. in Information Engineering; Overall GPA: 83.7/100.0 — *Aug 2013 – Jun 2017*

INTERNSHIP

- **Software Engineer Intern(Algorithm Developing)** — Alibaba, China, 08/2018 - 09/2018
  - **Contribution**: Processed data(i.e., operation plans and logs) from the network of Alibaba. Audited and analyzed the data. Developed the statistics and associations of dataBuilt a structure of experience database
  - **Language**: SQL (200 lines), PyODPS (1k lines), Python (4k lines)
- **Software Engineer Intern(Data Science)** — PRA Symphony Health Solution, US, 05/2018 - 07/2018
  - **Contribution**: Crawler the data(health related data, like hospital, doctors) from different health related websites. Developed a platform, which can verify data based on different API from some applications(e.g., using Google Map to verify whether the location from our database is correct).
  - **Language**: Python (5k lines)
- **Software Engineer Intern (Web)** — Papaya Mobile, China, 02/2017 - 05/2017
  - **Contribution**: Designed a network system in front-end and web crawler with Python, which was used to load and filter plenty of data from Internet.
  - **Languages**: Python (2k lines), HTML (2k lines), CSS (400 lines), JavaScript (500 lines)

RESEARCH EXPERIENCE

- **Detecting Privacy Leak on Android** — Lehigh University, USA
  Developer — *Feb 2018 - May 2018*
  - **Description**: Deployed CNH network that utilizes hierarchical features which include both object and convolutional features in a deep learning model to detect privacy on risk photos. Applied this model in Android phones.
  - **Contribution**: Crawled datasets from "flickrcom". Trained a Deep Neural Network to detect the privacy leaks and compressed the models by quantization and SqueezeNet to apply it in Android phones.
  - **Language**: Python, Java
- **Kaggle Competition on Prediction of Course System** — Lehigh University, USA
  Developer — *Oct 2017 - Dec 2018*
  - **Description**: Predicted the probability of taking course or dropping course for each student in the course system based on the given data(e.g., taking time, course name).
  - **Contribution**: Defined and mined the features from big data given by the competition and Desigined a classifier based on Scikit-Learn and Tensorflow to do prediction. Model Stacking provided the best result on my competition.
  - **Language**: Python

HONORS & AWARDS

- **Third Prize,** Scholarship in BUPT for Three Years (3k RMB in total) — 2015-2016
- **Honorable Mention,** Interdisciplinary Contest In Modeling (international) — 2016