He "Linda" Huang

Education

2017–2019 **Master of Science, Computer Science**, *Purdue University*, West Lafayette, IN.
- GPA: 4.0
- Courses: Algorithms, Statistical Machine Learning, Operating Systems (In Progress), Simulation and Modeling (In Progress)

2014–2018 **Bachelor of Science, Computer Science**, *Purdue University*, West Lafayette, IN.

Bachelor of Science, Mathematical Statistics, *Purdue University*, West Lafayette, IN.
- GPA: 3.93/4.0
- Courses: Data Mining, Information Retrieval, Java Programming, Algorithms and Data Structure, Time Series, Statistical Theory, Probability, Linear Algebra, Real Analysis ...

Experience

2017.06 – 2017.12 **Data Engineer**, *Sujitech LLC*, Champaign, IL.
- Set-up recommendation system by collaborative filtering.
- Gather user information from social networks to build user profiles.
- Visualize user relationships to demonstrate and communicate with partners.

2016.06 – 2017.05 **Research Assistant**, *CLAN Labs at Purdue University*, West Lafayette, IN.
- Researched on project "On Tensor Train Subspace Anomaly Detection via Oversampling".
- Focus on inter-dimension relationships (or inter-feature relationships) on high-dimensional datasets, mostly images and videos.
- Given a speech on CSESE 2017 at Purdue.

2015.08 – **Teaching Assistant**, *Purdue University*, West Lafayette, IN.
- Answering questions about course-related projects. Help students to understand coursework better.

Projects

2017.05 – 2017.10 **WeChat Bot**.
- Developed a chat bot in group chat can reply any message when it was mentioned.
- Gathered Chinese corpus by processing daily talk from chat. Trained bot with the corpus and add sticker reply to the bot.
- Replying thousands of messages in the group chat.

2015.08 **Container Optimized Deep Learning**.
- Acquire sentences from weibo.com (Twitter in Chinese) and analyze them dynamically to make a real-time "Hot Word Rank".
- Perform sentence analysis and demonstrate the process of analysis by word cloud.
- Use docker to minimal time and computation resource used when changing model.
- Won the first prize in HP Hackathon in Shanghai.

Skills

Programming Python, R, Java, C/C++

Database SQL, MongoDB

Other Data Analysis, Machine Learning, Data Crawling, Data Visualization

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