Wenxuan Xia

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Objective: Look for a Software Developing Intern opportunity in Summer 2016

🎓 Education

Purdue University, West Lafayette, Indiana   2015 – Present
Master student in Industrial Engineering (IE), expected Dec. 2016

Zhejiang University, Hangzhou, China   2011 – 2015
B.S. in Computer Science (CS)

👥 Experience

RCODI, Purdue, West Lafayette, Indiana   Oct. 2015 – Present
Web Developing Competition evaluator   Manager: Allison Lamb

Evaluate HTML and Javascript code for competition Ironhacks Purdue

- Evaluate total more than 50 competitors code during the competition
- Check whether competitors javascript code exist common errors like array range error, sql injection, ect.
- Check if exist layout error in HTML and CSS
- Determine how far these errors influence UX, and scale it to contribute final score of competitors

SENKEN Group Co., Ltd, China   May 2015 – July 2015
Server-end developer   Manager: Sheng Luo

Real-time information and geo-position sharing system for police hand-hold equipment

- Developed message-sending-fetching api using CodeIgnitor with php, mainly based on POST method.
- Design database tables for this app using MySQL, including users, msg, geo-position, etc. And build the index and foreign keys to improve querying.
- Designed data exchange synchronize protocol for both server and client by marking a extra isRead column. This protocol ensure messages are fetched and stored only one time.

EagleLab, Zhejiang University, Hangzhou, China   Sep. 2013 – Apr. 2014
Research Assistant   Research Group Project, Guided by Prof. Jiajun Bu

Developed a efficient way to crawl most of templates from portal websites

- Designed a efficient page-page comparison algorithm. Considering HTML tags, class and id names, tag sequences, etc. as features, modified and applied spectral k-means method, and dynamically add new class (add k) if a different page comes.
- Developed Multi-thread crawler, embedded skipping according to HTML structure, according to the result of page-page comparison algorithm.

Weiboyi, Beijing, China   June. 2011 – Aug. 2011
Chrome Plugin Developer

- Embedded html tags into Sina, Tencent Weibo Page to each user.
- These html tags provide hyper-link to database, which used to mark user's behavior to create training datas.

⚙ Skills

- Programming Language: Python*(most use)*, php, JavaScript, HTML, CSS3, MySQL, Postgres
- Framework or libs used: Django, BeautifulSoup, CodeIgniter, Bootstrap, d3js, JQuery
- Platform and Version Control: Mac OS X, Linux, Git