FENG YUN

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EDUCATION

Harbin Institute of Technology, China   *September 2016 - Present*

- Bachelor of Engineering(Expected 2020) in Computer Science and Technology   GPA: 83/100
- Courses: Advanced C Language and Programming(97/100),Python Programming(98/100),Java Network Programming(91/100),Computer Networks(90.1/100),Computer System(87.2/100) etc.

PROJECTS

Edge Translate – A Browser Extension   *July 2018- Present*

- Designed and developed a browser extension called "Edge Translate" to help users to have better experience on foreign language website reading.
- Edge Translate integrates the Google Translate API within the webpage and one simple template render engine is used to update the page according to translation contents dynamically.
- Published on the Chrome / Firefox / QQ browser web stores and gained over 20,000 weekly active users and Received a score of 4.7/5.0.

Qingxue Website for an Education Company   *December 2017 - April 2018*

- Designed and built an education website to provide services including publishing, managing, reserving and purchasing courses.
- Front end pages are implemented with VUE framework and NPM.
- Designed a database which includes over 30 tables obeyed 3NF.
- Deployed the whole system on an Ali Cloud server using uWSGI as the application server and Nginx server as a reverse proxy, static resource loading and load balancing.

An AI Meme Creation Tool Kit   *January 2019 - June 2019*

- Designed and developed a meme creation tool kit using AI image processing technology to help Wechat users to make memes conveniently.
- Applied several AI image processing technology including CPTN text detection, Image inpainting, character recognition based on CRNN, VGG16 model trained with ImageNet dataset.
- Wechat users can make their favorite memes easily with this tool kit without using professional image processing software like Photoshop.
- Participated in Wechat Mini Program Application Development Competition and achieved National Third Prize.

TV Viewing Ratings Dataset Analysis   *November 2018 - January 2019*

- Used Spark to analyze a 10 GB dataset of TV viewing ratings for a local TV station to predict the viewing ratings for the new TV programs.
- Used Spark SQL to clean the data and made some statistical tests.
- Applied random forest algorithm to predict viewing ratings and applied a user-based collaborative filtering algorithm to recommend TV shows for TV viewers.

INTERNSHIP

Luliang Cloud Computing Operation Company   *July 2019- August 2019*
Technical engineer assistant

- Participated in the strategy design and execution phase of several domestic surveying and mapping projects.
- Proposed some optimization ideas to improve the system performance.

AWARDS AND SCHOLARSHIPS

- 2019 Chinese University Computer Competition – WeChat Mini Program Application Development Competition , National Third Prize   *July 2019*
- National College Students Mathematical Modeling Competition, Provincial First Prize *December 2018*
- Northeastern Three Provinces Mathematical Modeling League, First Prize   *June 2018*
- Lan Qiao Cup Java Software Development Contest, Provincial Second Prize   *March 2019*
- Lan Qiao Cup C++ Software Development Contest, Provincial Third Prize   *April 2018*

SKILLS

- **Software Programming Languages:** Java, Javascript, C, Python, C#, Matlab
- **Hardware Programming:** Verilog, VHDL
- **Big data computing framework:** Hadoop, Spark,Pregel
- **Others:** Web front end design and development (NPM, VUE), back end development(Spring boot, Django) and server deployment(proficient in Linux operation system)
  Mathematical modeling ability