XUAN PENG • WUHAN UNIVERSITY • CHINA

thkwrldletsgo@gmail.com   +86-13294150809   callmebigben.github.io/about

EDUCATION

- Major: Software Engineering, School of Computer Science, Wuhan University, 2016 – 2020.
- Overall GPA: 3.81 (ranked as 2nd / 57 in the third year).
  TOEFL: 108 (R:29, L:30, S:23, R:26)   GRE: 331(V:161, Q:170, AW:3.5).
- Related Courses: Software testing practice(99/100),Software Engineering(95/100), Principles and Construction of Compiler(96/100) , Operating System(92/100), Pattern Recognition(97/100).

ACADEMIC EXPERIENCE

- **RNA Methylation Site Prediction Based On Machine Learning**   Oct 2018 - Mar 2019
  Exploiting SMOTE(Synthetic Minority Over-sampling Technique) to avoid the over-fitting caused by the imbalance between positive & negative samples, we constructed a CNN-based model, which achieved a high precision with an AUC more than 0.9.
  - Model construction & optimization & web service construction.
  - Artificial Intelligence Laboratory, Wuhan University.
  - (Check out in http://120.92.86.192:9021/rnamsp/index if interested)
- **Towards Configuration Dependency In Multi-Component Software**   Jul 2019 - Oct 2019
  In large multi-module software, users usually misconfigure the parameters in violation of inter-parameter dependencies, resulting in software crashing. Based on the study of Hadoop and OpenStack, we strived to implement a complete classification system for the inter-parameter dependencies. Meanwhile, based on their code patterns, we built an integrated inspection tool for different types of dependencies.
  - Pattern extraction with text mining & tool building with program analysis.
  - SysNet, the University of Illinois at Urbana-Champaign.

Internship

- **ByteDance Ltd.**   Back-end R & D Intern Engineer   Dec 2019 – (will be)June 2020
  Located in Beijing, ByteDance is one of the best Internet companies that has been developing amazingly in China and even the world. Its core products include Tiktok and Headlines. As a back-end R & D intern engineer, I am working on the back-end development of a promising incubation project with world-class engineers.

EXTRACURRICULAR EXPERIENCE

- **Wuhan University "China Software" Summer Practice**   Team Leader   Jun 2017
  In order to understand the quality and capabilities of the freshmen that software companies desire, my teammates and I conducted face-to-face interviews with the recruitment managers from the well-known software companies. I led my team in contacting, interviewing and finally text collating throughout the whole process.
- **WHU movie display & voting platform**   Voluntary full stack engineer   Sep 2019 - Oct 2019
  In order to better help campus movie broadcasters to display movie information and understand students' preferences, I took the initiative to develop the Wechat program for movie display & voting platform alone.

VOLUNTEER

- Education aid program for students in deprived areas   Volunteer   Jun 2017 - Jul 2017
- Electronic Product Assistance Program for the elderly   Volunteer   Sep 2017 - Sep 2018

HONOR

- National Inspiring Scholarship (2016-2019 three consecutive years).
- Wuhan University Excellent Student Scholarship (2016-2019 three consecutive years).
- National Second Prize (2/44), 14th National Financial Information Innovation Competition held by Citi Bank Asia.

PROFESSIONAL SKILLS & RESEARCH INTERESTS

- Language: Python, Java, JavaScript, C++.
- Platform & Framework: Linux, Flask, Soot, OpenStack.
- Interest: Broad System Area.