Hao Yuan (Frankie)

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EDUCATION

University of Illinois at Urbana-Champaign — *GPA: 3.95 / 4.00*
Bachelor of Science in Computer Science, College of Engineering — *May 2021*

- Minor: Applied Statistics
- Honors: James Scholar; Dean's List (All semesters)
- Relevant Coursework: Java Programming; Discrete Structures; C++ and Data Structures; Computer Architecture; Numerical Methods

COMPUTER SCIENCE EXPERIENCE

Sina Com Technology Co. Ltd — *Beijing, China*
Artificial Intelligence Engineer Internship — *Jun 2019 - Aug 2019*

- Collaborated with team to define criteria for providing high-quality news content to users (Similar to Twitter)
- Built and implemented web crawler scripts to collect 41k photos and 20k articles as labeled training samples
- Adopted, utilized and further optimized text and photo classification models for content filtering with convolutional neural network(CNN); ~98% accuracy
- Devised a model using support vector machine(SVM) to sort articles into corresponding channels automatically; ~96% accuracy

iDFlakies: Research on Flaky Tests — *Urbana, IL*
Research Assistant — *Feb 2019 - May 2019*

- Built a java Continuous Integration testing framework for detecting, classifying, and fixing flaky tests, a type of non-deterministic tests that could pass or fail even when code under test not changed
- Improved usability of detection tool by giving users options to relax its requirement
- https://frankieyuan.com/idflakies.html

HXT Semiconductor Technology Co., Ltd. — *Beijing, China*
Linux Software Testing Engineer Internship — *Jun 2018 - Aug 2018*

- Developed automated test cases to check performance of ARM servers with Shell Script
- Constructed an automated tool to retrieve and analyze benchmark data
- Executed test cases and identified potential bugs for new servers reception
- Maintained testing lab, prepared testing environment, fastly responded demands from other team members

Special Interest Group for Artificial Intelligence at Association for Computing Machinery (UIUC-ACM-SIGAI) — *Urbana, IL*
Member — *Jan 2018 - Dec 2018*

- Attended weekly workshop to learn basic concepts such as Neural Networks and Image Recognition
- Assessed and compared recent researches on AI

LEADERSHIP EXPERIENCE

Chinese Students and Scholars Association at University of Illinois Urbana-Champaign (UIUC-CSSA) — *Champaign, IL*
Vice Minister at the Department of Student's Affairs — *Sep 2017 - Present*

- Lead a series of events to help new international students familiarize with college life; create 5 introduction videos, two 100-page handbooks, and pre-arrival orientations in 18 cities in China
- Organize a Chinese Food and Game Theme 1-day Event; sold 400+ tickets; $3500+ revenue
- Won Yearly Outstanding Contribution Award

Champaign Photography Club — *Champaign, IL*
Vice President — *Sep 2017 - Present*

- Cooperate with 9 merchants for photography advertisement; earned $5000+
- Facilitate 8 free photoshoot sessions open to public
- Hold monthly photography workshop

Leadership Certificate — *Urbana, IL*
Participant (In Progress) — *Oct 2017 - Present*

- Develop and practice leadership skills via a series of activities including workshops, mentor meetings, and non-classroom team experiences
- Create Personal Development Plan with the emphasis on career goals and desired skills

SKILLS

- **Technical:** Python, Java, C++, C, SQL, Shell Script, Git
- **Software:** Word, PowerPoint, Excel, Photoshop, Lightroom, Premiere
- **Languages:** English (Fluent), Chinese (Native)