Yujin Zhang

EXPERIENCE

Yelp, Team Search (Infrastructure), Software Engineer   Feb 2019 – now

- Developed a framework for Java batches with out-of-box logging and notification. Adapted by multiple services to reduce maintenance and debugging complexity from having multiple languages in a repo. Improved batch stability by 35%.
- Collaborated on a proof of concept to migrate search auto-completion service from in-memory Lucene index to ElasticSearch. Analyzed feature parity, latency, and cost and designed roadmap for future execution.
- Created a location auto-complete endpoint for Yelp business owners. Built index with Yelp's in-house geolocation data to enable front-end teams to create faster and more powerful UI.

Yelp, Team Search (Infrastructure), Internship   May 2018 – August 2018

- Designed algorithms to compare ElasticSearch results in several verbose levels between dark-launched and live clusters.
- Enabled automated testing on ElasticSearch cluster using production queries, improving test coverage and efficiency.
- Enhanced search quality by preventing errors and degraded rankings due to misconfiguration and ElasticSearch version upgrades from going into production.

University of Michigan, Crowds and Machines Lab, Research Assistant   May 2016 – April 2017

- Collaborated on the animation recording plugin for demonstrating interactive UI in a crowdsourcing web application.
- Developed chat box and a feature to aggregate crowd workers' reactions, increasing experiment completion rate by 200%.
- Publication accepted by UIST as 2nd author *(http://web.eecs.umich.edu/~wlasecki/pubs/SketchExpress_UIST2017.pdf)*

SKILLS

Languages: **Java**, **Python**, SQL, C/C++, Go, C#, JavaScript, HTML, SML, Matlab
Tools: Linux, Git, Docker, ElasticSearch, Maven, Jenkins, Dropwizard, MapReduce, React, MongoDB, Unity3D

EDUCATION

University of Illinois, **Urbana-Champaign**   September 2017 – December 2018
Master of Computer Science, GPA: 3.9/4.0
Selected Coursework: Communication Networks, Distributed Systems, Automated and Regression Testing, Reliability of Cloud-Scale Systems

University of Michigan, **Ann Arbor**   September 2015 – April 2017
Bachelor of Science in Engineering in Computer Science, GPA: 3.6/4.0
Selected Coursework: Operating Systems, Web Programming and Information Systems, Database Systems

Shanghai Jiao Tong University, **China**   September 2013 – August 2017
Bachelor of Science in Engineering in Electrical and Computer Engineering, GPA: 3.4/4.0

PROJECTS

STARTS (STAtic Regression Test Selection) Maven Plugin *(https://github.com/yujinz/starts)*

- Reduced time required to perform dependency analysis by 70% by making it run concurrently with test execution.

Game - Tower of Babylon *(https://github.com/yujinz/TowerOfBabylon)*

- Created a 3D platform action game where attack and movement of the hero are combinedly controlled by joysticks.