

Lei Wang

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EDUCATION: University of Kansas, Lawrence, KS
M.S. Computer Science
B.S. Computer Science (Minor in Business)

Graduated May 2019
Graduated May 2017

TECHNICAL SKILLS:

Programming Languages: Most Experienced – Javascript, Python Some Experience – Java, C++, Ruby
Data Science/Machine Learning: Numpy, Panda, Keras, Scikit-learn
Front and Back-End: React.js, React Native, Redux, Express.js, Webpack, Babel, MongoDB, JSON, HTML, CSS, SASS, SQL, PHP
Other Tools/Skills: Android Studio, Git, Visual Studio, Data Structures, Algorithms, Jira, Jenkins, Crucible

RESEARCH:

- **M.S. Thesis** – Keystroke Inference on Android Device Using Deep Learning Fall 2018 & Spring 2019
 - Achieved an accuracy of 87% using Top-5 categorical accuracy
 - Created a native Android app to collect approximately 20,700 keypresses from 30 volunteers
 - Analyzed data with deep neural network and multi-view learning

EXPERIENCE:

- **Software Engineer – Kansas City, MO** July 2019 – Present
Cerner Corporation – Software Engineer
 - Created and improved UI features of a chrome extension for displaying pull request status in GitHub using Javascript, webpack, Babel, Sass, and Jest unit testing framework
 - Utilized tools such as Jira, Jenkins, Crucible, and GitHub
 - Participated in daily scrum stand-ups and bi-weekly iteration planning
 - Currently working on the 'Healthe Insights' application which handles application services integration from multiple teams within the Population Health Dev using Ruby on Rails and React.js
- **Software Application Intern – Portland, OR** May 2018 – Aug 2018
ON Semiconductor – Full Stack Engineer
 - Developed a product display system for Spyglass project that has been demonstrated in the 2019 CES
 - Designed a web-based portal to facilitate and accelerate the development of collaterals using various web technologies such as Node.js, Express.js, React.js, Redux, Socket.io, and CouchBase
 - Created multiple RESTful APIs and implemented unit testing using Mocha and Chai Javascript Frameworks
 - Collaborated and communicated with teammates through Daily Scrum Methodology as well as participated in code review via Bitbucket
- **Web App Developer – Lawrence, KS** July 2017 – Jan 2018
WOLF - Machine Learning Web Application
 - Designed a machine learning workflow web application which has been included in the 2017 IEEE tutorial on automated hyperparameter turning for machine learning models at the IEEE big data conference
 - Written in PHP using Codeigniter framework, HTML, CSS, JQUERY, AJAX, and SQL for data storing
- **Mobile App Developer – Lawrence, KS** July 2017 – Jan 2018
Food Frequency Questionnaire Mobile App (IOS, Android)
 - Created adaptive app using React Native framework, Redux workflow, and Firebase to assist over 1,000 existing patients and clinicians
 - Implemented Item Responsive Theory to drastically shorten user input time while maintaining the test accuracy
 - Collaborated with the Center for the Advancement of Research on Eating Behaviors (CARE) at KU
- **Mobile App Developer – Lawrence, KS** May 2016 – Aug 2016
Haller – Social Networking App
 - Dedicated to provide better social support for freshmen at the University of Kansas
 - Collaborated with housing department at the University of Kansas
 - Created using AngularJS, Sass, HTML, Cordova plugin, and Firebase through Ionic framework

TEACHING:

- **EECS 560 - Data Structure (Graduate Teaching Assistant)** Jan 2018 – May 2019
 - Assisted professor managing labs and delivering course materials
 - Helped students implementing various important data structures such as hash table, binary search tree, and heap