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Lei Wang

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EMPLOYMENT

Software Engineer, Full Time **Cerner Corporation** **July 2019 – Present**

- Optimized data record batch loading process by differentiating two record releases and only load the changes utilizing Apache Beam and Apache Crunch
- Incorporated new model attributes to accommodate T-MSIS specifications for States submitting Medicare & Medicaid data to CMS in Java and Scala
- Delivered a React package consumed by the parent Rails application in a cross-functional team environment
- Created and enriched features of a chrome extension for displaying GitHub pull request status using Javascript and Jest unit testing framework with 100% code coverage

Full Stack Engineer, Intern **ON Semiconductor** **May 2018 – Aug 2018**

- Developed a scalable product display system for Spyglass project that has been demonstrated in the 2019 CES
- Designed an internal web-based portal to reduce collateral upload time using Node.js, Express.js, React.js, Redux, Socket.io, and CouchBase; Optimized speed via asynchronous programming
- 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

Software Developer, Part Time **University of Kansas** **July 2017 – Jan 2018**

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

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

EDUCATION

Lawrence, KS **University of Kansas** **Fall 2012 – May 2019**

- M.S.E. in Computer Science with a concentration in Data Science, May 2019. GPA: 3.71
- B.S.E. in Computer Science with Minor in Business, May 2017. In-major GPA: 3.21
- M.S. Thesis: Keystroke Inference on Android Device Using Deep Learning - 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

ADDITIONAL EXPERIENCE

- **Graduate Teaching Assistant (2018 – 2019):** Taught and conducted Data Structure lab sections for three semesters, mentored over 100 students

LANGUAGES AND TECHNOLOGIES

- **Programming Languages:** Javascript, Python, Java, C++, Ruby
- **Machine Learning:** Numpy, Pandas, Keras, Scikit-learn
- **Front end and Back End:** React.js, React Native, Storybook.js, Redux, Express.js, Node.js, Jest, Webpack, Babel, MongoDB, JSON, HTML, CSS, SASS, SQL, NOSQL, PHP, Apache Beam, Apache Crunch, Apache Hadoop, Apache Avro, ETL, HDFS, Junit
- **Other Tools/Skills:** Git, Data Structures, Algorithms, Problem Solving, Jira, Jenkins, Crucible, Optimization, Software Development, Object Oriented Design, Database Design, AWS(Amazon Web Services), Distributed Systems, Spinnaker, CI/CD, Agile, Test Driven Development, Code Review, Unit Test.