KE ZHAO

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EDUCATION

North Carolina State University, Raleigh, NC — Aug. 2018 - May 2020
M.S. in Computer Engineering

Jilin University, Changchun, China — Sept. 2014 - June 2018
B.E. in Electrical Engineering

SKILLS

Languages	Java, Python, Ruby, JavaScript, HTML, CSS
Frameworks and Tools	Django, AWS, Bootstrap, Elasticsearch, Logstash, Kibana, Git, Rspec, Heroku, Ruby on Rails

INDEPENDENT STUDY

Expertiza(Ruby on Rails) — Jan. 2019 - May 2019

- Contributed to an open source project for students and teachers to handle assignment and peer-review
- Improved Log page UI to make it easy to analyze log information
- Revised search form to improve search efficiency
- Configured timezone settings to show local time properly using Local Time gem
- Implemented Elasticsearch, Logstash, and Kibana to make log analysis more efficiently with visualization

PROJECT EXPERIENCE

Travel Blog App (Android)

- Developed an app that user can login, choose blog from list, and read blog details
- fetched blog data from Internet via RESTful API
- Created Offline Mode which can store data in Room Database and show data before loading from Internet

PDF Broken Link Detector (Django)

- Built a web application which can detect broken links in PDF files
- Used Django framework with Python script to detect
- Designed the UI with Bootstrap
- Deployed to AWS with Elastic Beanstalk

WolfTimeHelper (HTML, CSS, JavaScript)

- Developed a Chrome Extension that helps hourly teaching assistant to clock in and out automatically
- Utilized web technologies to create popup page and interact with the clock website
- Automated the process that teaching assistant has to log in and clock with multiple clicks

House Selling and Buying Tracking System (Ruby on Rails)

- Built a web application that people can buy and sell house
- Designed login and registration form with Devise gem
- Implemented message function with Mailboxer gem, users could send and receive messages
- Utilized PostgreSQL to store house and user information
- Achieved 100% path coverage with Rspec tests