

# QICHENG LIN

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## SKILLS

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Proficient: Python, Java, Objective-C, C++, C, SQL, JavaScript, HTML5/CSS and Linux

Familiar: Spring, Django, Flask, Bootstrap, AngularJS, Express, ReactJS, NodeJS, Redis, MongoDB, Junit, Scikit-Learn, Pandas and AWS

## EDUCATION

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**University of Nebraska–Lincoln**, Lincoln, NE

Master of Science, August 2019

GPA: **3.87/4.0**

Major: Computer Science

Relevant coursework: Database, Data Mining, Algorithm and Data Structure, Operating System

**University of Nebraska–Lincoln**, Lincoln, NE

Bachelor of Science, December 2016

GPA: **3.76/4.0**

Major: Computer Science

Minor: Mathematics

## RELEVANT EXPERIENCE

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**Backend Developer Intern**

**May 2019 – July 2019**

**Sinosoft Technology Group Ltd**

- ❖ Built a web application that allows agents and clients to have real-time video communication by using Java and Spring framework
- ❖ Developed RESTful APIs to retrieve video data from remote servers by using Flask in Python
- ❖ Deployed Redis as middleware to achieve low latency and high scalability, and MySQL as backend

**YelpCamp – Web Application**

**Jan 2019 – Apr 2019**

- ❖ Built a web application that allows users to share their camping experience by uploading photos and comments
- ❖ Developed the backend of YelpCamp application using Node.js, Express, and MongoDB to store user's archive
- ❖ Implemented user authentication with Passport.js and performed A/B test by Google Analytics to refine the UI

**Alicrawler – Web Crawler ([Link](#))**

**Jan 2019 – Apr 2019**

- ❖ Built a web page crawler to crawl thousands of Aliexpress product websites by using Python
- ❖ Reduced the running speed of Alicrawler from 3 hours to 30 seconds by applying multi-threads in Python
- ❖ Created a local website to visualize all the crawled data by using Bootstrap, JavaScript, AJAX and utilized MySQL to store all the data

**Software Developer + Researcher**

**Sep 2016 – May 2019**

**Cyber Security & Threat Intelligence Lab ([Link](#))**

- ❖ Built a classifier for the IoT malware involved with data gathering, data cleaning, data preprocessing and machine learning using Python and Scikit-Learn to improve the new malware detection rate up to 95%
- ❖ Used Python to automatically crawl 1000+ website descriptions, and used natural language processing to categorize those websites
- ❖ Used regular expression and pattern matching in Linux to automatically process text files

**Software Developer Intern**

**Jan 2016 – Dec 2016**

**Beehive Industry (During Semester)**

- ❖ Built a console app to synchronize data between the cloud and the local server by using Java
- ❖ Wrote scripts to automatically retrieve the data through the RESTful APIs from the cloud with Python
- ❖ Created unit testing functions for simulated mock database
- ❖ Worked on parsing JSON files and updated the local MySQL database