Haoyang Liu (Vincent)

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Github: https://github.com/lhy2016 | Persona Page: https://lhy2016.github.io/

PROFESSIONAL SUMMARY

· An enthusiastic software engineer with 4-year Java development experience and solid Object-Oriented design knowledge. Built functionalities of a web crawling tool which made the company successfully fetched web data over 800 websites quarterly. Optimized internal software which increased its initialization efficiency by 60%. A creative thinker with a can-do attitude and good communication skills.

SKILL SUMMARY

· Backend/Software: Java, Spring, JSP, Python, Django, Node.js, MySQL, Linux + Apache, Swift, Node.js
· Frontend: Html 5, Css 3, Bootstrap 4, Javascript, React.js, Ant Design UI, JQuery, ES 6, AngularJS

EDUCATION

· B.S. in Software Engineering, San Jose State University, graduated on Spring 2018, GPA: 3.3

WORK EXPERIENCE

· **Product Developer**, **DocSpot**, San Jose, California, 10/2018 ~ Now
- ➢ Developed *Fetch*, an internal web crawling tool programmed in Java, using HtmlUnit, Headless Chromium, and Chrome DevTools Protocol.
  - ■ Implemented features such as text field input, reading json from url, non-clickable drop down list access using focus and arrow down key etc, to make it effectively deal with various situations and successfully crawl data from more than 800 directories quarterly.
  - ■ Built new tracking system for *Fetch* by serializing operations info and storing to database, so that *Fetch* is able to continue the progress from last run by skipping completed operations, which greatly improved its efficiency (on average 70%).
  - ■ Refactored the code and deprecated old tracking system to make it more efficient and stable.
- ➢ Optimized *UrlPicker*, an internal java program to pick healthcare provider related urls.
  - ■ Moved time-consuming init processes which involves heavy database query to server side services, so it cached all necessary information on server side.
  - ■ Developed statistics analyzer program and generated a blocked-phrase library with it, which helped decrease average time to pick or reject a url by 30%.

· **Software Engineer Intern, CTI One Corporation**, Santa Clara, CA. 12/2017 ~ 2/2018
- ➢ Integrated, optimized and developed object detection feature of an autonomous vehicle using pre-trained model, openCV and TensorFlow on Python.

PROJECTS

AnswerThat, a website where people can ask questions and answer others' questions.
- ➢ Frontend: React.js, Bootstrap 4; Backend: Python Django, MySQL, Restful Api

InfoSec, a simple blog website introducing OWASP web security vulnerabilities.
- ➢ Frontend: Bootstrap 4, jQuery; Backend: Java(JSP), Spring, MySQL(on AWS RDS).
  - ■ Ajax (jQuery post method) for username existence check.
  - ■ Secure user authentication, free of SQL injection attack.
  - ■ Single Sign-On with cookie and session management enabled.

Personal Page, https://lhy2016.github.io/