Yang Shi

Phone: (917) 833-4575 | Address: 100 Willoughby St, Brooklyn, NY 11201 | Email: yangshi9406@gmail.com
Github: github.com/ys2843 | Personal Website: ys2843.com

EDUCATION

New York University   *2016/09 - 2018/05*
M.S. Computer Engineering, Awards: Grad School of Engineering Scholarship   *New York, U.S.*
Beijing University of Posts and Telecommunications   *2012/09 - 2016/05*
B.S. Electrical Engineering, Awards: 3rd Prize Scholarship (2012-2014)   *Beijing, China*

INTERNSHIP EXPERIENCE

Stack Technology, Inc   *2018/01 - 2018/05*
Front-End Developer, MoneyWall App   *New York, U.S.*

- Participated in mobile app front-end development and **data visualization** using **React Native**, through working with UI designer, create corresponding view component
- Contributed to implement user **authorization** and **authentication**, through JWT(Javascript Web Token) and OAuth

Huawei Corporation   *2016/02 - 2016/03*
Project Assistant, IMS (IP Multimedia Subsystem)   *Cairo, Egypt*

- Participated in facilitating technical and administrative project, building and testing IMS on both server and client side with team, monitoring the working condition and data flow of equipment

PROFESSIONAL EXPERIENCE

Chrome Extension Development   *2018/03 - 2018/05*
An app designed for pregnant women to shop on Sephora

- Developed harmful ingredients automatic check function based on product page through **Javascript injecting**
- Developed price comparison function by searching in background script based on the information parsed from DOM

Web Application Development   *2017/12 - 2018/03*
A RESTful dynamic Web project based on web crawler using React, Node.js and MongoDB.
URL: *cosmeticsforpregnancy.com*

- Developed **web crawler** based on **Python Scrapy**, crawling all products information on Sephora. Designed URL extracting rules in RegEx and Xpath, solved JS lazy-loading problem by applying headless Chrome to process DOM before parsing
- Developed a Single Page App in **React** for checking harmful ingredients in cosmetic products, combined with **React-Router** and **Redux to** implement client side routing and state management
- Created back-end **RESTful API** using Node.js **Express** framework, functions include offset query for pagination, and deployed on an Amazon EC2 CentOS instance, using Nginx as reverse proxy and PM2 to manage process

Speech Recognition Desktop Camera Project   *2017/10 - 2017/11*

- Designed and implemented speech recognition module through **PyAudio** and **PocketSphinx** library, applied multi-thread to run with **Tkinter** UI at the same time
- Contributed to implement video processing function like zoom, blur and brightness control through **OpenCv2**, and enable filters loaded from Photoshop ACV file by **Numpy**

Machine Learning Research   *2017/09 - 2017/11*
Prediction and Analysis of Crime Occurrence Based on Local Demographic and Economic Data based on Python

- Contributed to dataset processing using **Pandas**, and apply **model selection** methods including **LASSO** regularization, to filter high correlation factors
- Responsible for implementing variety of algorithms to calculate prediction models, including **linear regression**, **neural network** and **support vector machine**

Web Application Development   *2017/04 - 2017/05*
A crowed funding website implemented in Node.js, Mysql and Bootstrap

- Responsible for designing database model according to **paradigm**, creating database and inserting test samples
- Contributed to front-end development including searching page, project page using **Bootstrap** and **Jade**, and back-end functions implementation including user login, project search and session, through Node.js **Express** framework

TECHNICAL SKILL

- Programming Languages: Javascript/HTML/CSS, Python, Java
- Framework & Library: React, Bootstrap, Node.js, Flask, Mysql/Nosql, Hadoop/Pip Latin/R
- Web Development Tools: Git, Webpack, NPM, PIP, AWS