

Zequn Yu

Objective: Software Engineering Intern in Summer 2020

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EDUCATION

- JAN.19 - Present MSc Computer Science, **University of Southern California (USC)** 📍 Los Angeles
Expected to graduate in **January 2021**
- SEPT.14 - JUN.18 BSc Computer Science, **University of Nottingham (UoN)** 📍 Ningbo-Nottingham
1st class honours • GPA: 3.93/4 • Advanced courses: Haskell, Machine Learning

SKILLS

PROGRAMMING Python, JavaScript, React, Java, C++, Swift, MATLAB, HTML/CSS, MongoDB, MySQL
TOOLS Git, Xcode, LaTeX, Vim, Markdown, Prezi, Pixelmator

EMPLOYMENT

- MAY.19 - Present SDE student worker, **USC Robotic Embedded Systems Lab** 📍 Los Angeles
Maintain the open-sourced reinforcement learning framework project: [garage](#) (436 ★) in [Python](#), with emphasis on system design and implementation (20+ commits to master branch, 10,000+ lines change) • Refactor the core of garage: LocalRunner and experiment API • Contribute to continuous integration test and peer code review
- JUN.18 - NOV.18 Full stack software engineer, **WorthNote Co., Ltd.** 📍 Shanghai
Collected and analyzed 400,000+ graduate application data records using [Python Scrapy](#), [Pandas](#) and [MongoDB](#) • Built company website by [Javascript](#) and [React](#) • Experienced hosting and maintaining back-end server (REST API) at Aliyun cloud using [Flask](#), [Gunicorn](#) and [Nginx](#)
- JUL.17 - OCT.17 Research + SDE intern, **Chinese Academy of Sciences** 📍 Beijing
Worked at Key Lab of Intelligent Information Processing with [Prof. Shiguang Shan](#) • Studied source code of [Caffe](#) framework and experienced its API in [C++](#) and [Python](#) • Implemented end-to-end code for facial Action Unit detection with Large-scale unlabelled data in semi-supervised learning
- JUN.16 - SEPT.16 SDE intern, **Global Tone Communication Tech Co., Ltd.** 📍 Qingdao
Crawled 20+ websites and collected 2G+ bilingual text data in English-Chinese for [YeeSight](#) project using [Python](#) • Experienced web crawling libraries: [beautifulsoup4](#), [requests](#) and [selenium](#)

PROJECTS

- NOV.18 - APR.19 **uRank - University Rankings Collection** 📍 Los Angeles
Collected and performed 5 years QS/Times/ARWU/USNews ranking data using [Python Scrapy](#) • Built [React](#) website for data visualization, and deployed with [Netlify](#) continuous integration • Experienced [JavaScript ES6](#), [create-react-app](#), [Next.js](#), [Bulma](#), [styled-components](#) and [Chart.js](#)
- OCT.17 - MAY.18 **Workload and Facial Expression Linkage Analysis** 📍 Nottingham
UoN Mixed Reality Lab | Advisor: [Dr. Max Wilson](#)
Recruited 20 participants for facial and brain workload data collection • Used [fNIRS](#) brain scanner to evaluate workload • Built [PyQt5](#) GUI software for HCI experience • Benchmarked facial AUs and [fNIRS](#) by multiple machine learning models such as [SVM](#), [ANN](#) using [MATLAB](#)
- SEPT.16 - MAY.17 **Travel Dashboard: Travel Expense Track and Analysis** 📍 Nottingham
UoN & Atos UK Limited | Advisor: [Prof. Natasa Milic-Frayling](#)
Developed [JavaFx](#) desktop GUI software to support travel expense track from Excel raw data input to PDF report generation • Built user system using [MySQL](#) • Coordinated with [Atos UK's](#) engineers and experienced agile development • Achieved highest personal score (92) of the year in CS school