

# 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 toolkit project [garage](#) (436 ★) in [Python](#), with emphasis on system design and implementation • 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 performed 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 by Netlify continuous integration, • Experienced [JavaScript](#) ES6, [create-react-app](#), [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 using [Python](#) for HCI experience • Benchmarked facial AUs and fNIRS by multiple ML 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