

# Zequn Yu

Objective: Software Engineering Intern in Summer 2020

📍 Los Angeles, CA   📞 +1 (626) 703-9018   ✉️ zequnyu11@gmail.com   🌐 [zequnyu.com](http://zequnyu.com)

## 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 • Experienced 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 MySQL user login system • Coordinated with *Atos UK*'s engineers and experienced agile development • Achieved highest personal score (92) of the year in CS school