Zequn Yu

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EDUCATION

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

SKILLS

PROGRAMMING	Python, JavaScript (React), HTML/CSS, Java, C++, Haskell, MongoDB, MySQL
OTHERS	LaTeX, Markdown, Prezi, Pixelmator

EXPERIENCE

MAY.19 - *Present*	Student worker, USC Robotic Embedded Systems Lab 📍 Los Angeles **garage: A Framework for Reproducible Reinforcement Learning (RL)** 🎧 (436 ★) Refactoring and maintaining the open-sourced RL toolkit project *garage*, with emphasis on system/API design and implementation • Participating in code coverage test and peer code review • Experiencing various of state-of-art RL algorithms
JUN.18 - NOV.18	Software engineer, WorthNote Co., Ltd. 📍 Shanghai **Data Mining of Chinese Student Applying for Foreign University** Collected and performed 400,000+ graduate application data records using Python Scrapy, Pandas and MongoDB • Developed GUI analysis tool using PyQt5 • Experienced hosting back-end server (REST API) using Flask, Gunicorn and Nginx
AUG.17 - OCT.17	Software intern, Chinese Academy of Sciences 📍 Beijing **Snowball: Facial Action Unit (AU) Detection using Caffe** Worked at Key Lab of Intelligent Information Processing with *Prof. Shiguang Shan* • Implemented end-to-end code for AU detection with Large-scale unlabelled data in semi-supervised learning • Studied source code of *Caffe* framework and experienced API in C++ and Python

PROJECTS

OCT.17 - MAY.18	Research intern, UoN Mixed Reality Lab 📍 Nottingham **Workload and Facial Expression Linkage Analysis** | Advisor: *Dr. Max Wilson* Undergraduate dissertation: analysed facial Action Units under different levels of mental workload • Used fNIRS brain scanner to evaluate workload • Built PyQt5 software for HCI experience • Benchmarked facial AUs using multiple Machine Learning models
SEPT.16 - MAY.17	Software developer, UoN & Atos UK Limited 📍 Nottingham **Travel Dashboard** | Advisor: *Prof. Natasa Milic-Frayling* Built user management dashboard and Excel analysis tool for *Atos* • Developed desktop GUI software using JavaFx and MySQL • Achieved highest personal score (92) and won the 'Best Code Quality' award of the year in CS school