

Shuai (Palm) Zhou

shuaizhou.palm@gmail.com | shuai.z@ucsc.edu
Github: git.io/palmchou | Homepage: shuaizhou.me
(669) 214-4200 | linkedin.com/in/palm-shuai-zhou/en

Education

University of California, Santa Cruz — Santa Cruz, CA Sept. 2017 - Jan. 2019 (Expected)

Master of Science in **Computer Science**

- Selected Coursework: Analysis of Algorithms, Machine Learning and Data Mining.

Macau University of Science and Technology — Macau Sept. 2012 - June 2016

Bachelor of Science in **Software Technology and Application**

- Selected Coursework: Data Structures and Algorithms, Object-Oriented Programming, Database Systems, Operating Systems, Software Engineering, Web Technology, Principles of Compilers and Discrete Mathematics.
- Top One over 90 in GPA Ranking, Dean's List for 5 Semesters and Graduate with First Class Honors.

Work Experience

Tengzhou Axcel Co.Ltd. — Tengzhou, China May 2017 - Aug. 2017

Funder & Software Engineer Provides customized software design and development for small start-up.

- Built a tailor-made business management and order distribution system using **Django** operating 7/24. Not only saved manpower for the business owner but also helped them advance to a new level of scale.
- Decoupled system design with **Docker** and extended reliability and scalability.
- Robust crawler bots, based on **Selenium** and **PhantomJS**, involved to collect and provide external data.
- Applied message queue (**Celery** with **RabbitMQ**) to deal with time-consuming tasks and optimize response.
- Implemented notification module which connects the system to third-party IM software.

Institution of Automation, Chinese Academy Sciences — Beijing, China Feb. 2016 - May 2017

Research Intern Researching on facial attributes recognition and other computer vision related topics based on deep learning.

- Trained **Convolutional Neural Network** models for facial attributes analysis, such as age, gender, race and emotion estimation using **Caffe**. Deployed those models to a web demo app based on **Flask**.
- Won first prize on FG 2017 Micro Emotion Recognition Challenge with innovative multi-modality network.
- Reproduced a cascade CNN **face detector** with a true positive rate of 0.80 on FDDB database.
- Assisted with holding the Chalearn LAP Gesture Challenge 2016, and organized the large-scale gesture databases which consists of 47,933 gesture videos distributed into 249 different gesture classes.

Macau IT System Company — Macau Sept. 2014 - Oct. 2014

Software Engineer Intern & Project Lead Led a team of four interns building the official site of Macau Software Industry Association from scratch.

- Built a content-providing website using **Ruby on Rails** in only three weeks with multi-language feature.

Projects and Skills

- Image Labelling System** used to manually tagging attributes of faces. (**Django, RestFul API, Bootstrap**)
- Distributed Image Search Engine Crawler** collects search result with given keywords. (**Python**)
- Pressure Ulcer Analyzer** an android app which calculates areas of skin ulcers from camera. (**Java, OpenCV**)
- GRE Vocabulary Master** an iOS app for English words learning with reviewing strategy. (**iOS, Swift**)

Other Experience: Simple Compiler (**C**), Simple Shell (**C**), Text File Search Tool (**C++** with **QT**), Scripts and Tools (shell, Python, Ruby), Web Front-End (**React, Bootstrap, jQuery**), UI Design (**Sketch**)

Skills: Proficient user of Linux OS and macOS. Familiar with Git.

Selected Publications

- Jianzhu Guo, [Shuai Zhou](#), Jinlin Wu, Jun Wan, Zhen Lei, Stan Z. Li. Multi-modality Network with Visual and Geometrical Information for Micro Emotion Recognition. *Automatic Face & Gesture Recognition*, 2017: 814-819.
- [Shuai Zhou](#), Yanyan Liang, Wan Jun, Stan Z. Li. Facial Expression Recognition Based on Multi-scale CNNs. *Chinese Conference on Biometric Recognition. & Springer International Publishing*, 2016: 503-510.
- Jun Wan, Yibing Zhao, [Shuai Zhou](#), Isabelle Guyon, Sergio Escalera and Stan Z. Li, ChaLearn Looking at People RGB-D Isolated and Continuous Datasets for Gesture Recognition, *CVPR Workshop*, 2016
- Zichang Tan, [Shuai Zhou](#), Jun Wan, Age Estimation Based on A Single Network with Soft Softmax of Aging Modeling, *ACCV*, 2016