

YUBAO LIU

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EDUCATION

University of Rochester, Rochester, New York 12/2019

- MS in Computer Science

Xiamen University, China 06/2017

- BE Software Engineering; Minor: Mathematical Statistics
- National Scholarship for Undergraduates (#1/173)

University of California, Berkeley (Summer Exchange student) 08/2016

- Major: Computer Science

National Taipei University (Summer Exchange student) 08/2014

Research interests: *Mobile Development (IOS), Computer vision, Object detection and Deep learning*

WORK EXPERIENCE & INTERNSHIPS

China Overseas Group, Xinghai IOT Technology Co. Ltd. (XHWL) Shenzhen, China

Chief iOS Development Engineer, full-time 08/2017 – 08/2018

- Published two applications on Apple Store: “Xiaoqidangjia”, “Xiaoqizhuanjia”
- Responsible for audio and video communication part of company’s XHWLCoreSDK development
- Improved the IOS team’s Swift Language Development Specification
- Team worked with developers from the architecture group, interface design and implementation group for the company’s open platform
- Chosen as one of the representatives to participate in 2018 Global World AI Technology Conference (GAITC)

Smart Community: Management Application for Homeowners 08/2017 – 04/2018

- Developed an iOS application for Shenzhen house assets managers and homeowners (>5,000,000 potential users)
- Implementing useful functions including Bluetooth opening door, Cloud talking, Cloud monitoring, Visitors inviting and video communication
- Used Swift and Objective C languages and utilized the Cocoapods, MVC, Singleton, GCD, NSThread and Jpush technologies to develop
- Apple Store Link: <https://itunes.apple.com/cn/developer/yutian-zheng/id1054635112?l=en>

Product image search, for China Construction Bank (CCB) 04/2018 – 07/2018

- Developed crawlers to collect product images from shopping product database
- Constructed subject identification network, adjusted the batch size, learning rate, policy and other parameters to train the model using crawled data
- Computed all product images’ feature vector using the resnet152 neural network and returned products with smallest similarities

China Holland Education Competence and Knowledge on IT (CHECK-IT) Xiamen, China

Algorithm Engineer, Internship 09/2016 – 01/2017

- Developed an application that optimized advertisement recommendations
- Used OPENCV For Detection and MXNET algorithms to analyze faces for gender, age, and ethnicity
- Worked as a team leader to organize discussions and assign responsibilities to members from Netherlands, resulted in improvement in targeted advertisements

TECHNICAL PROJECTS & RESEARCH

Mobile iPhone application for restaurants seats selection online 01/2015 – 08/2015

- Won the first prize in the 5th China Electronic Commerce "Innovation, Creativity and Entrepreneurship" Competition for College Students among 14,000+ teams
- Responsible for implementing the interface and data interaction with java backend (MVC)
- Used swift language to build the interface through storyboard
- Utilized some advanced technology such as Cocoapods, GCD, NSThread and Jpush

A Study on the Future Emotional Tendency of Micro-Blog's Stock Investors 01/2015 – 01/2016

- Supervisor: Prof. [Jinsong Su](#)

- Used ICTCLAS for Chinese word segmentation and Support Vector Machine as classification algorithm
- Identified investors' future emotional tendencies by analyzing emotional aspects of texts posted by stock investors on Sina Weibo (micro-blog)

Nursing Robot based on emotional interaction

03/2014 – 03/2015

- Designed and developed a robot with an ALPHA interface
- Utilized advanced hardware interaction equipment (Kinect, Leap Motion & Real Sense)
- Raised funding from Software School of XMU

Meritorious Winner, Mathematical Contest in Modeling 2016

01/2016 – 02/2016

- Determined an optimal investment strategy for Goodgrant Foundation to help improve educational performance of undergraduates in the United States
- Built an Analytic Hierarchy Process (AHP) model to analyze universities' comprehensive quality

PUBLICATIONS

- Co-Authored article: "Adaptive Integration Skip Compensation Neural Networks For Removing Mixed Noise In Image" (Kai Lin, Yubao Liu, Yiwei Zhang, Thomas H Li, Kan Huang, and Ge Li)
- In submission to CVPR 2018

SCHOLARSHIPS & AWARDS

- Meritorious Winner in Mathematical Contest in Modeling (among 50,000+) 02/2016
- First prize of The Fifth China Electronic Commerce "Innovation, Creativity and Entrepreneurship" Competition for College Students (#1/14,000) 08/2015
- Alibaba Big Data Contest (#102/5476) 07/2016
- Xiamen "Wang Shujing Wang Wendou" Scholarship (top 1%) 2015
- Champions of Xiamen University "Running Cup" Basketball Competition and Billiard Competition 04/2015

ACTIVITIES

- Delegate of Spain, East Asian Model United Nations Conference 2017 4/2017
- The 9th China R Language Conference 11/2016
- Volunteer of 18th and 19th China International Investment and Trade Fair 09/2015, 09/2016
- Vice President of Xiamen University Billiard Association and Love Association 2015
- Captain of class basketball team 2015