Yifang Wang | Curriculum Vitae

YuQuan Campus, ZheJiang University, HangZhou, P.R.China – 310058

EDUCATION

ZheJiang University(ZJU) **HangZhou**
Software Engineering, B.Eng., Expected in 2018 *2014–2018*

Cum. GPA: 3.81/4.0 (86.95/100)
Rank: 5/70

RESEARCH & DEVELOPMENT EXPERIENCE

A Research on Object Recognition Methods for AR Glasses(HoloLens) **ZJU**
Student Research Training Program (SRTP) *May 2016–May 2017*
- The project presents a tool to implement object recognition in Augmented Reality environment
- Training and testing Caffe model using CIFAR-10 data and ImageNet data
- Implementing an UWP application to realize the communication between the desktop and HoloLens
- Building a tool to recognize the catalogues of pictures token by HoloLens using Caffe model and UWP APP

Urban Data Visualization in AR Environment **ZJU**
A Paper Submission to VIS2017 *Dec 2016–Mar 2017*
- The project presents a technique to create an exploded view and a typology to guide the integration of visualizations of physical and abstract data to enable immersive urban analytics
- Discussing the exploded view of 3D city model and the integration of physical and abstract data to form and shape the main idea
- Writing the whole paragraph of "Related Work", "Algorithm-Principle" and "User Scenerio"
- Processing the city model using 3dMax and Unity and designing figures in the paper

Building a News-Aggregation Website **ZJU**
Project of B/S System Software Design Course *Mar 2017–May 2017*
- The project builds a News-Aggregation application in both web and mobile versions
- Crawling news information from mass media to MySQL database using Python
- Designing the front-end interface of the whole website using Bootstrap and HTML/CSS/JS
- Implementing the back-end of the appication using PHP
- Building a corresponding Android APP which implements the same functions using Android Studio

Building Autonomous Flying Vehicles **NUS**
Summer Program @ National University of Singapore *Jul 2017–Aug 2017*
- The project focuses on the assembly of the UAV and the programming practice about the Raspberry Pi
- Building X-Plane 10 UAV and putting control theory, MAVLINK protocol into practice and program in C
- Importing code to the Raspberry Pi using Arduino and Atmel Studio to implement heartbeat and other basic functions

Building a VBA Program in the Bond Field **ZJU**
Project of Bond Trading System Course *Mar 2017–Apr 2017*

- The project builds a VBA program to calculate data relating to the bond market
- Deriving some formulas of the bond yield, and learning VBA language to apply the formulas to the program
- Implementing functions of several buttons to import data, calculate and draw the results

○ **Developing a Parkour Game Named "No Pig Lives" Using OpenGL**   **ZJU**
Project of Computer Graphics, teamwork   *Oct 2016–Jan 2017*
- City modeling using Adobe Maya, exporting the model to .obj file
- Building the menu module using texture mapping, mouse pickup and providing interfaces to other modules

○ **Developing a Markdown Client in Java Version**   **ZJU**
Project of Java Course   *Dec 2016–Jan 2017*
- Building a markdown client using Java, and implementing file(.md & .css) importing and file(.doc) outputing
- Building the user interface with JFrame, JMenu and a third-party jar package

SCHOLARSHIPS AND PRIZES

2014-2015

○ Excellent Student Awards
○ Third-Class Scholarship for Outstanding Students
○ Third-Class Scholarship for Outstanding Merits
○ First-Class Merit in Military Education and Training
○ First Prize in the activity of visiting Alma mater
○ Excellence Award in 'Dream of the Red Chamber' themed Essay Competition

2015-2016

○ Excellent Student Awards
○ Bosch Scholoarship
○ Third-Class Scholarship for Outstanding Students
○ Third-Class Scholarship for Outstanding Merits
○ Excellent Social Work Scholarship
○ Third Prize of the National Talents Training Base
○ Excellent Senior Group in Danyang&Qingxi Community

2016-2017

○ 2017 CCF(China Computer Federation) Outstanding University Student Award
○ The First Prize in 'Miyoshi Cup' Table Tennis Group Competition
○ 2017 Excellent League Member in Zhejiang University
○ ...

INTERESTS AND HOBBIES

○ Interested in traditional culture, especially calligraphy, traditional literature(such as chorography and zen aesthetics)
○ Enjoy meditating, reading, writing and photography, and now is maintaining my own blog
○ Enjoy recitation, and now is maintaining my own Internet Radio on Lizhi FM
○ Enjoy Singing and playing guitar(used to be a chorus girl for 9 years and won "Top Ten Singers" in junior high school)
○ Enjoy cycling, playing table-tennis, playing badminton, and mountain climbing