Yifang Wang | Curriculum Vitae

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EDUCATION

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

Cum. GPA: 3.82/4.0 (87.09/100)

Rank: 5/83

RESEARCH & DEVELOPMENT EXPERIENCE

Personal Visualization in Mobile AR Environment   **ZJU**
A Paper Submission to VIS2018   *Dec 2017–Mar 2018*
- The project designs and implements MARVisT, a mobile authoring tool integrated with a context-aware nudging mechanism and intuitive interaction methods
- Conducting an online survey to collect requirements from general users and distilling four primary design considerations from 366 responses
- Designing the interaction methods of the system and evaluating the expressiveness and usability of the tool
- Writing the paragraphs of "Introduction", "Related Work", and part of "Design"

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

SCHOLARSHIPS AND PRIZES

2016-2017
- Zhejiang Government Scholarship
- 2017"The CCF(China Computer Federation) Elite Collegiate Award"
- Excellent Student Awards
- Second-Class Scholarship for Outstanding Students
- Second-Class Scholarship for Outstanding Merits
- Excellent Cultural and Sports Work Scholarship
- Second Prize of the National Talents Training Base
- The First Prize in 'Miyoshi Cup' Table Tennis Group Competition
- 2017 Excellent League Member in Zhejiang University

2015-2016
- Excellent Student Awards
- Bosch Scholoarship
- Third-Class Scholarship for Outstanding Students
- Third-Class Scholarship for Outstanding Merits
- Excellent Social Work Scholarship
- Excellent Senior Group in Danyang&Qingxi Community

2014-2015
- Excellent Student Awards
- Third-Class Scholarship for Outstanding Students
- Third-Class Scholarship for Outstanding Merits
- Excellence Award in 'Dream of the Red Chamber' themed Essay Competition

Publication

- ZhutianChen, **YifangWang**, TianchenSun, XiangGao, WeiChen, Zhigeng Pan, Huamin Qu, and Yingcai Wu. Exploring the design space of immersive urban analytics. Visual Informatics, 1(2):132–142, 2017.