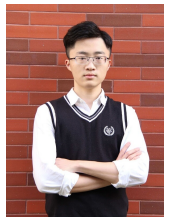# Quanyu Long

311 Yifu Building, Shanghai Jiao Tong University, Shanghai, 100084, P. R. China

(+86)13262633009   Oscar.Long@sjtu.edu.cn   http://quanyulong.net

AREAS OF INTERESTS

Math, Machine Learning, Data Mining, Big Data.

EDUCATION

School of Electronic Information and Electrical Engineering, Shanghai Jiao Tong University   Sep 2016- Present

➢ **Major: Computer Science (IEEE pilot class** – ninety students selected from all admitted students entering 2016**)**

    ◆ **Zhiyuan Honors Program of Engineering** – an elite program for top 5% students.

➢ **Overall GPA: 89.6/100, Major GPA: 90.8/100, Ranking: Top 5%**

➢ **Core Courses:** Mathematical Analysis(honor) (91) / Discrete Mathematics (96) / Introduction to Computing (91) / Introduction to Electrical Engineering (94) / Circuits and Electronics (98, top 1%) / Probability Theory and Stochastic Process (90) / Linear Algebra / C++ programming / Machine Learning, Deep Learning (Stanford MOOC)

RESEARCH EXPERIENCES

Machine Learning and Data Mining

APEX Data and Knowledge Management Lab (http://apex.sjtu.edu.cn) | SJTU   Feb 2018 - Present

Advisor: Prof. Yong Yu, Prof. Weinan Zhang, CSD, SJTU

➢ With good mathematic foundation, now I'm doing some literature reviews and learning Machine Learning, where my research interests lie in.

Advanced Research of Augmented Reality & It's Application on Smart Glasses

Intelligent Robot Laboratory (http://robolab.sjtu.edu.cn) | SJTU   Sep 2016 - Sep 2017

Advisor: Prof. Qixin Cao, School of Mechanic Engineering, SJTU

Programming language: Java, C#

➢ Developed a demo AR software on android platform with basic AR functions, its characteristics are that users can take photos as markers and when identifying is missing, previous placed models can be reserved on the screen.

➢ Solved the camera calibration problem and optimized the static recognition algorithm which gives the software the ability of quick static recognition.

➢ Modified the program and parameters to realize AR on Epson Smart Glasses BT-200.

SELECTED COURSE PROJECTS

Chinese Word Segmentation System   Dec 2016

Course Project for *Introduction to Computing* | Team Leader

Programming language: Python

➢ The segmentation is based on the probability, and the key idea is Markov chain.

➢ Built the Chinese words and expressions dictionary, then trained it, especially aiming at new words which are generated online.

Online One-stop Service of Travel Planning and Searching   Dec 2017

Course Project for *Introduction to Electrical Engineering*.

Programming language: Python, HTML, CSS, JavaScript

➢ Online services include the route planning, time arrangement and search, saving users from dull planning.

➢ Built the crawler and the search engine of the tourist spots, hotels and restaurants, adopting the reverse index format.

➢ Designed the website and utilized web.py to arrange pages and Baidu maps API.to display locations and routes.

AWARDS

Matsushita Electric Education Scholarship (top 5%)	2017
Zhiyuan College Honors Scholarship	2016 & 2017
Second Prize in China Undergraduate Mathematical Contest in Modeling, Shanghai Division.	2017

LEADERSHIP AND ACTIVITIES _____

Student Union | SEIEE | Vice Minister of the Office   Mar 2017 - Present

➢   Organized the New Members in Student Union Eve and acted as a host.

➢   Wrote Major-specific handbook and Instructions for freshmen.

➢   Chaired monthly meetings to collect feedback from ministers from other departments in student union.

Youth Volunteer Association | SEIEE   Mar 2017 - Present

➢   Organized voluntary activities and managed volunteers.

SKILLS _____

➢   Programming Languages: C/C++, Java, Python, MATLAB;

➢   Web design, HTML/CSS.