

Zifan Liu

Room 204, East 13#, Shanghai Jiao Tong University, Shanghai, 200240, P.R.China

(+86)132-6229-3119 vanglecold@gmail.com

EDUCATION

Shanghai Jiao Tong University

September 2014 - June 2018 (expected)

- B.S. in Computer Science & Technology
- GPA: 3.92/4.3 Rank: 8/151

RESEARCH EXPERIENCE

• Signature Verification on Mobile Devices

July 2017 - September 2017

Research Intern (Supervisor: **Prof. He Wang**)

Purdue

- Designed a system to extract features from dynamic finger-drawn signatures and calculate similarities based on DTW algorithm
- Utilized smartphone sensor data to improve verification accuracy

• Ranging with Smartphone Dual-cameras

December 2016 – October 2017

Research Intern (Supervisor: **Prof. Hongzi Zhu**)

Lab of Innovation on Networking, SJTU

- Implemented a stereo vision system to extract 3D information from pictures captured by dual-cameras on smartphones
- Extended baselines by moving smartphones and designed an algorithm to deal with pose variation

• Design of Underwater Quadrotor

March 2016 - April 2017

Research Intern (Supervisor: **Prof. Zheng Zeng**)

Institute of Oceanography, SJTU

- Designed a prototype of waterproof quadrotor for underwater exploration
- Implemented the control system on Arduino

PROJECTS

• Design of Simple Pipe Robot

Spring 2015

- Designed a disc-shaped robot with the ability to move freely in cylindrical pipes
- Printed the parts with a 3D-printer

• SJTUDATE: Website Providing Dating Service for Students

Spring 2017

- Designed a dating site for students to publish dating needs
- Used Bootstrap and ReactJS on the front end
- Used Django and MySQL on the back end

HONORS AND AWARDS

• China National Scholarship

2014-2015, 2015-2016

• Academic Excellence Scholarship (Class A) of Shanghai Jiao Tong University

2014-2015, 2015-2016

• Honorable Mention in 2016 Interdisciplinary Contest In Modeling

April 2016

SKILLS

- **Programming language** C/C++, Matlab, Java, TeX
- **English** TOEFL: 104, GRE: V162+Q170+AW4.0