Yufan WANG

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EDUCATION

Beijing University of Posts and Telecommunications (BUPT)   *Beijing, China*
Sep. 2016–present

- Major: The Internet of Things
- Studying at the Beijing University of Posts and Telecommunications and Queen Mary University, London (IWC Engineering Joint Training Program)
- Relevant Coursework: Discrete Techniques for Computing (99), Probability Theory and Stochastic Processes (98), Introductory JAVA Programming (97), Advanced Mathematics (97), Data Structures (93), Operations Research (92), C Programming (90), Introduction to the Internet of Things (90), Linear Algebra (87), etc.

PROJECT EXPERIENCE

Glaucoma Diagnosis Based on Deep Learning in Stereoscopic   *Beijing, China*
Researcher   *Mar. 2019-present*

- Responsible for research into using deep learning algorithms like CNN.
- The project will be used to diagnose glaucoma through different methods of cutting stereo images and then using CNN models such as ResNet, VGG and Inception.

AI Recognition
Based on Tank-Truck Loading and Unloading Processes (BUPT)   *Beijing, China*
Researcher   *Feb. 2019–present*

- Responsible for research into face detection and human body detection.
- The project will ultimately identify humans and track human activities to determine whether the tanker loading and unloading processes are up to standard.
- This project uses Python and OpenCV, as well as deep learning algorithms.

Drone Performance Aided Design and Control System (BUPT)   *Beijing, China*
Researcher   *Jun. 2018–present*

- Responsible for research into drone algorithms and auxiliary interfaces.
- The final program will allow for the automatic recognition of users' drawings, from which it will generate a simulation interface and a corresponding drone formation algorithm.

Use of STM32 to Obtain GPS Information (Tsinghua University)   *Beijing, China*
Researcher   *Jul. –Oct. 2018*

- Used the HAL library to obtain GPS information
- STM32L476 was then used to transfer the information to the port and print it.

Campus Second-hand Trading Platform (BUPT)   *Beijing, China*
Student Project Leader   *Mar. –Jun. 2018*

- Responsible for the construction of the webpage. This is capable of implementing functions such as user registration, login, group chat, publishing products, organizing collections, and making purchases.
- The final project was awarded 93 points.

GUI Design for a Counting System for Children (BUPT)   *Beijing, China*
Student Project Leader   *May. –Jun. 2018*

- This application used a GUI and was programmed using Java. The application provides children with arithmetic problems such as addition, subtraction, multiplication and division.
- The program can check answers and keep a record of the results.

Online Supermarket Management System (BUPT)   *Beijing, China*
Researcher   *Oct.–Dec. 2016*

- Responsible for using C language to build the manager-side element of the system.
- The project enables buyers to scan goods, compare prices, etc., and for managers to administer products and stock.

QUALIFICATIONS

TECHNICAL SKILLS

- High level of proficiency in **C, JAVA, MySQL** and **LATEX** programming.
- Foundational skills in **MATLAB** and **Python**.
- Good understanding of **STM32** development board and drone.
- Very interested in mathematics and data analysis, and have a strong foundation in mathematics.

PERSONALITY

- Strong management/organizational skills. Worked as a **deputy director** of the Volunteer Association at BUPT and have drawn up plans for many volunteer activities. Served as a **leader** in planning groups to coordinate activities and events.
- **Strong communication skills**. Sensitively and accurately dealt with questions from 80+ students as an assistant counselor. Organized and coordinated more than 10 volunteer activities.
- Dedication to **self-learning** and **self-discipline**.

HONORS & AWARDS

- 2018 Beijing Outstanding Students   Nov 2018
- 2017-2018 National Scholarship (1/2)   Oct 2018
- 2017-2018 Excellent Student Cadre of BUPT (1/32)   Oct 2018
- "Honorable Mention" in COMAP's Mathematical Contest in Modeling 2018   Feb 2018
- 2016-2017 National Scholarship (1/2)   Oct 2017
- 2016-2017 Excellent Student of BUPT (1/32)   Oct 2017