YIQIAN WANG

116th St & Broadway, New York, NY 10027 • (646) 207-9296 • yw3225@columbia.edu • linkedin.com/in/olivia17/

EDUCATION

Columbia University, New York, NY — *Aug 2018 - Expected Dec 2019*
M.S. in Computer Engineering
Relevant Coursework: Advanced Software Engineering, Introduction to Databases, Bayesian Models for Machine Learning, Analysis of Algorithm, Internet of Things

Beijing University of Posts and Telecommunications, Beijing, CN — *Sep 2014 - Jun 2018*
B.E. in Communication Engineering
Relevant Coursework: Pattern Recognition and Applications, C++ Programming, Java Programming, Computer Networks and Internet, Linux Operating System Fundamentals

HONORS

Honorable Mention in Mathematical Contest in Modeling — *Jan 2017*
Third Prize of Beijing Division in Star of Outlook English Talent Competition — *May 2015*
Third Scholarship of Beijing University of Posts and Telecommunications — *2014, 2015, 2016*

PROFESSIONAL EXPERIENCE

Chinese Academy of Sciences, Institute of Automation, Beijing, CN — *Jul 2017 - May 2018*
Research Assistant, National Laboratory of Pattern Recognition
- Created an automatic makeup and remover algorithm base on TensorFlow.
- Applied pattern recognition, machine learning and deep learning algorithms.

ACADEMIC PROJECTS

Columbia University, New York, NY
Creators Visual Programming Software — *Dec 2018 - Jan 2019*
- Utilized React.js to develop a front-end graphical user interface base on Scratch 3.0.

Advanced Software Engineering — *Sep 2018 - Dec 2018*
- Built up an online Alpha Gomoku desktop game by PyQt in a Java web server environment.

Beijing University of Posts and Telecommunications, Beijing, CN
Web Application Design & Development — *Dec 2017 - Jan 2018*
- Adopted PHP, JavaScript, and MySQL to establish a back-end management system website.

Mobile Communication — *Aug 2017 - Sep 2017*
- Analyzed Turbo codes through different channels with different modulation methods by MATLAB.

Multi-speaker Recognition in Cocktail Party Problem — *Jan 2017 - Jun 2017*
- Proposed an original decision theory to accomplish speaker recognition task in cocktail party problem.

Interactive Quadcopter — *Jun 2016 - Nov 2016*
- Added functions in height and position determination in Microduino quadcopters.
- Improved Android remote control program to track GPS through Bluetooth.

TECHNICAL SKILLS

Programming Languages: Python, C++, Java, JavaScript, PHP, SQL, MATLAB, VHDL
Operation System: Android, Linux
Software: Photoshop, Premiere, Audition, After Effects, Flash, LaTeX, Microsoft Office

PUBLICATIONS

Wang Y., Sun W. (2019) Multi-speaker Recognition in Cocktail Party Problem. Communications, Signal Processing, and Systems. CSPS 2017. Lecture Notes in Electrical Engineering, vol 463. Springer, Singapore.

ACTIVITIES AND HOBBIES

Columbia University Chinese Students and Scholars Association — *Sep 2018 - Present*
- Building relations with students and scholars in Columbia by social media and publications.

Volunteer Leader in 2017 Global Artificial Intelligence Technology Conference, Beijing, CN — *May 2017*

Student Practice Base of Logistics Department, Beijing University of Posts and Telecommunications — *Sep 2015 - Jun 2016*
- Designed campus exhibition board posters and operated WeChat official account.

Piano (Amateur 10 certificate), Table tennis, Badminton, Swimming