

Siwei Mai

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EDUCATION

University at Buffalo SUNY (UB), Buffalo, New York, USA

- M.S. in Computer Science and Engineering (Thesis Graduation) Aug 2018 – May 2020
- Studied: Computer Vision, Machine Learning, Computer Network, Deep Learning, Robotic Algorithms, Pattern Recognition, etc.
- Cumulative GPA: 3.6 / 4.00

Nanjing University of Finance & Economics (NUFE), Nanjing, Jiangsu, China

- B.S. in Computer Science and Technology (major) Sep 2014 – Jun 2018
 - Outstanding Dissertation for Bachelor's Degree
 - Graduated with College Honors.
 - Cumulative GPA: 3.31 / 4.00
- B.E. in Finance (minor) Sep 2014 – Jun 2018
 - Cumulative GPA: 3.0 / 4.00

RESEARCH EXPERIENCE

School of Information & Engineering, NUFÉ

- Undergraduate Research, Computer Vision Laboratory Aug 2016 – Sep 2017
 - Project: Design of Hand-gesture Recognition System Using the Convolution Neural Network
 - Supervisors: Prof. BeiWei Zhang
 - Focus: Hand-gesture Recognition, Kinect, TensorFlow, CNN.
- Undergraduate Research, Computer Vision Laboratory Aug 2015 – Jul 2016
 - Project: Jiangsu Students' Innovation and Entrepreneurship Training Program Hand Gesture Recognition
 - Supervisors: Prof. BeiWei Zhang
 - Focus: Kinect, Depth Image, DTW, K-Means.
 - Financial Support: ¥10000 CNY
 - National level

Department of Computer Science and Engineering, UB

- Graduate Research, CSE 676LEC-Deep Learning Feb 2019 – Jun 2019
 - Project: Sketch Colorization with Hints
 - Group member: Bilin Shi
 - Focus: Training deep neural network(DNN) for colorize the gray-scale sketch images through the specified color hints
 - [Paper Download](#)
- Graduate Research, Supervised Learning (Ongoing) Sep 2019 – Now
 - Project: [A neural network-based discriminant model for retinal tomography images](#)
 - Supervisors: Prof. Mingchen Gao
 - Focus: The research explore the neural network and computer vision methods (including data augmentation and image registration) to help determine the diseases of the retinal tomography image acquired by OCT (Optical coherence tomography) images

AWARDS & SCHOLARSHIPS

- Excellent Undergraduate Graduation Thesis Oct 2018
- Excellent League Member in NUFÉ Jun 2017
- Third Prize in Lanqiao Cup Programming Competition May 2017
- The Mathematical Contest in Modeling — Honorable Mention Apr 2017
- Third Prize Scholarship in NUFÉ of First Semester in 2016-2017 Mar 2017
- First Prize of Robot Raiders Contest in the Makeblock Cup the 7th Jiang Su Robot Match Nov 2016
- Third Prize of Unmanned Vehicle Contest in the Makeblock Cup the 7th Jiang Su Robot Match Nov 2016
- Excellent Student Leader in the College of Information Engineering May 2016

- Third Prize in Entrepreneurship Competition of NUFE May 2016
- The Mathematical Contest in Modeling —— Successful Participant Apr 2016

CAMPUS ACTIVITIES

Students' Union of the College of Information Engineering, NUFE

- Minister of Publicity Jul 2015 – Jun 2016
 - Selected as the Excellent Minister of the Student Union.
 - Managed public activities in the school and the poster designs.

Student Reporters of College Newspaper, NUFE

- Reporter Sep 2014 – Jun 2016
 - Interviewed and recorded major school events.
 - Published many reports on the school paper.

LANGUAGES

- Mandarin: Native language.
- English: Fluent (speaking, reading, writing).