

LIU ZICHEN

+65 90520628 ◇ liuzichen@u.nus.edu ◇ Homepage

EDUCATION

National University of Singapore

Aug 2016 - Present

Bachelor of Engineering in Electrical Engineering, Honours, Research Focused Pathway
Department of Electrical and Computer Engineering, 4.88/5

Hanyang International Summer School, South Korea

Jul 2018

Studied courses including project management, engineering professionalism

Peking University Summer School, China

Jul 2017

Studied courses including economics

ACHIEVEMENTS

Awarded Senior Middle 2 Scholarship by Ministry of Education, Singapore

2015

Awarded Science & Technology Scholarship by NUS

2016 - 2020

Won the Table Tennis singles for semi-final during the NUS Inter-Hall Games and contributed to my team clinching the overall championship (Male) title

2016

Awarded Dean's List for being placed in the top 5% of the cohort

All eligible semesters

PROJECTS

Neural Network on the System-on-Chip

Built an automated training and testing pipeline of a fully connected network on an embedded system with *Zynq-7000* using C++ and Verilog; supports hardware acceleration by FPGA

ARM Processor

Built a pipelined ARM processor (ARMv3) at the micro-architecture level on FPGA using Verilog HDL

Text Detection and Recognition

Implemented a pipeline for scene text detection and recognition based on CNN and RNN

EXPERIENCE

Shopee, Singapore

January 2019 - Present

Data Science Intern Focuses on visual recognition tasks including classification, object and text detection, saliency segmentation and interactive segmentation

Learning and Vision Lab, NUS

May 2019 - Present

Final Year Project Focusing on deep learning algorithms for instance segmentation

EXTRA-CURRICULAR

Vice Head of Logistics and Welfare, NUS Chinese Society

Aug 2017 - May 2018

Coordinated with department members to set up and hold *The 10th National Calligraphy Contest* in NUS

Collaborated with members in the society to prepare and execute the *Date or Not* show attracting over 300 audiences

Executive of NUS ECE Club

Aug 2017 - May 2018

Collaborated with team members to plan and conduct workshops for *Raspberry pi* and *3D printing* to benefit students across faculties to learn useful skills

Member of Table Tennis Competition Team (M), NUS Sheares Hall

Aug 2016 - May 2017

Participated in *NUS Inter-Hall Games 2016* and contributed to my team winning clinching the overall championship (Male) title