

Jianyu Tang
唐 建宇

jianyutang99@gmail.com
<https://jianyu.me>

Education

- **Tsinghua University** Beijing, China
B.E. in Software Engineering Aug 2017 -
– GPA: 3.82

Employment

- **Research Intern** Beijing, China
Machine Learning Group, National Engineering Lab for Big Data Software Oct 2018 -
– mentor: Prof. Mingsheng Long
– implemented domain adaptation models using PyTorch

Projects & Experience

- **Weakly Supervised Learning: Methods and Applications** Beijing, China
Student Research Training Program Oct 2018 - Sep 2019
– supervisor: Prof. Mingsheng Long
– carried out research on transfer learning in classification and detection
- **Networking support for XV6** Beijing, China
OS course project Nov 2019 - Jan 2020
– implement part of the TCP/IP protocol stack and UDP socket on XV6(an open source OS developed by MIT)
– implemented by C and a little assembly language
- **C to LLVM compiler** Beijing, China
Compiler course project Nov 2019 - Jan 2020
– supports some basic C99 grammar and generates LLVM intermediate representation
– implemented by Python, with Antlr4 used
- **WeChat MiniProgram: Siyuanren(思源人)** Beijing, China
Software development project Sep 2019 - Jan 2020

- a miniprogram serving students and alumni of the Siyuan Class(思源计划) of Tsinghua University
- developed the back-end system using Django and GraphQL
- won funding from the alumni association of the Siyuan Class

• **FTP Service**

Beijing, China

Course project of Computer Networking

Sep 2019 - Nov 2019

- purely based on Berkeley Socket API
- an FTP server on Linux and a GUI client
- implemented in C(server) and python(client)

• **Deep Learning Image Processing Service**

Beijing, China

Course project of Programming Practice

Aug 2019

- a website for users to process images, powered by Tensorflow and OpenCV
- support features as face recognition, object detection and style transferring
- implemented both back-end and front-end

Awards, Grants & Honours

- **Academic Excellence Scholarship**, Tsinghua University, 2019
- **Academic Excellence Scholarship**, Tsinghua University, 2018