

Tianshuang Fu

fts1109@gmail.com | +1-267-887-1775 | tsfu.github.io/personal-site/

EDUCATION

University of Pennsylvania, Philadelphia, PA

Expected May 2021

Master of Computer and Information Technology (MCIT) & Systems Engineering (MSE)

- Current GPA: 3.9/4.0
- Major Courses: Statistics for Data Science, Database & Info Systems, Web Development, Computer Systems, Optimization & Simulation, Engineering Economics, Macroeconomics

Xi'an JiaoTong University, Xi'an, Shaanxi, China

Jun 2018

Bachelor of Engineering, Automation

- Cumulative GPA: 3.4/4.0 Award: XJTU Siyuan Scholarship
- Major Courses: Data Structures and Algorithms, Computer Networks, Data Mining, Introduction to AI

SKILLS

- Programming in Java, Python, JavaScript. Database knowledge like SQL, MySQL and MongoDB.
- Web development: HTML, CSS, JavaScript, TypeScript, Angular, React, node.js, Django...
- Also familiar with: C/C++, MATLAB, Networks...

INTERNSHIP

Full Stack Developer Intern (Remote), Fluentkey.com

Jun 2020-Sep 2020

- Developed front-end and backend features for fluentkey.com web applications, supporting online interactive multi-media learning experiences. Technologies used includes Vue.js, node.js, Express, mongoDB. Also assisted in SRS docs and API design and implementation.

Software Development Intern, Cloud & AI Service - Huawei Technologies

Jun 2019-Sep 2019

- Implemented Huawei cloud testing services website for users across the company. Completed page UX/UI design, front-end and REST API development for push-notification, user management, and project workspace using Angular 2/7. Used both NodeJS and Tomcat as server side, Postman and SwaggerUI for API tests.

Publicity and Technology Officer, Shen & Yang Book Association

Jul 2015-Jul 2017

- Developed multimedia publicity platforms for the club. Assisted in upgrading, operation & maintenance of online information system for membership and book management.

PROJECTS

Gaze Estimation Algorithm and Optimization, Institute of Artificial Intelligence and Robotics, XJTU

- Implemented reliable appearance-based human eye gaze estimation algorithm by introducing correntropy (a similarity measurement) method. Practiced several ways of image processing, feature extracting and computer vision learning. Also optimized this algorithm in size, and improved its accuracy by 10% using MATLAB.

Smart Robots and Embedded Systems Application, XJTU Information-technology Talent Program

- Implemented control systems for smart race car (Freescale model) based on PID and Fuzzy Logic Control Theory. Developed speed adjustment, race tracking and obstacle avoidance functions.

Full Stack Web Application Development, CIS Department of University of Pennsylvania

- Designed and developed a web application for incoming college students, including university admission news and ranking/housing/tuition search. Integrated Bing Image Search and Facebook/Google login auth APIs. Connected several large databases to our webpage using AWS MySQL services. Also developed an Instagram-like photo sharing platform.