Xiaoqiang Wang

✉ xq.wang@zju.edu.cn · ☎ (+86) 188-6811-6331 · ⚙ Robert-xiaoqiang ·

🎓 Education

ZheJiang University, Computer Science and Technology   2016-09 – Present

- GPA 3.88/4
- First-Class Scholarship for Outstanding Merits (Top 10%)   2017-10
- Second-Class Scholarship for Outstanding Merits (Top 30%)   2018-10
- Second-Class Research Innovation Scholarship   2018-10

🐙 Individual Projects

EigenFace   https://github.com/Robert-xiaoqiang/EigenFace

An implementation of PCA for face recognition based on OpenCV

- Image preprocess, face alignment with Haar feature
- Eigen value decomposition of covariance matrix of the face dataset
- Similarity evaluation based on Euclidean distance

ML Naive Projects   https://github.com/Robert-xiaoqiang/ML-Pits

ML classic algorithms or models

- CNN, LSTM, SVM, CART, Bayesian for classification
- Ensemble Learning such as AdaBoost, random forest
- Hierarchy Cluster, segmentation

MiniOS Kernel   https://github.com/Robert-xiaoqiang/OSProject

An Operating System kernel based on MIPS32 architecture running on FPGA 5-stage pipeline CPU

- Virtual File System, Implementation of FAT32 and ext2 file system, implementation of system calls and file commands such as **cd, ls, cat**
- Process Schedule, Multiple queues with feedback with the help of my classmates

Naive DBMS   https://github.com/Robert-xiaoqiang/MiniSQL-TeamLanTianLiuShe

A simple DBMS for ZJU DataBase System curriculum project

- Index Module, Implementation of B+Tree in memory
- SQL Interpreter, Based on Lex, Yacc

⚙ Skills

- **Programming Language**:

  - C++/Python/C/Bash
  - Java/Golang/MATLAB

- **Development Skills and Tools**:

  - OpenCV, Qt, Django
  - TensorFlow, PyTorch, MySQL, Hadoop, Redis, Git

ℹ Misc

- **Home:** https://qindomitable.top/
- **Language:** English - read docs, speak fluently Chinese - native level
- **Hobbies:** Basketball
- **Self Assessment:** Cautious, willing to learn