

Software that is of Public Interests

Developed by Zhongyan Lin

(The following work does not contain any component developed for my previous employers: Honeywell, MBNA Bank of America Credit Card, U.S. Army Research Lab, and S.B.Media of Korea)

[Java2swift](#)

Desktop Java application of translating the variable declarations, method APIs as well as math expressions from Java programs to Swift for speeding up the development of apps for Apple devices, but it will not translate libraries that support function calls

[Android2SwiftUI](#)

Desktop Java application of translating the UI design of Android Studio projects, including layout files and menu files, to SwiftUI codes. It helps developers to create consistent app UIs cross platform while saving tremendous amount of time

[Android2Java](#)

Desktop Java application of translating the design of Android Studio projects including layout files and menu files, to desktop Java. It helps developers to create consistent app UIs cross platform.

[Facial Attendance](#)

Java desktop application of taking attendance automatically by using face detection and recognition

[Sorting Demo](#)

Animated demonstration and performance tests of classical sorting algorithms and their variants. It is a desktop Java application.

[Special Effect](#)

Java desktop application of processing images. It does filtering, finding dominant colors, replacing any color, resizing, cropping, cutting corners, detecting human faces and rectangles, and removing straight lines in the background.

[Enquire Response](#)

Class/meeting/group coordinator and file synchronizer: administrating quizzes, surveys, data collections and keeping files synchronized cross platforms: iphone, ipad, android devices, Macbook and Windows PCs.

[Facial Attendance](#)

Android app using member's face image as id to administrate attendance of meetings, classes or any group activities. Targeted users are teachers, team leaders or organizers of any informal group activities.

[Grading Scanner](#)

Android app of scanning student's hand-written answer sheets and teacher's standard answer sheets of quizzes, using artificial intelligence to recognize format, words and digits, and performing automatic grading

[CSS Editor](#)

Web front-end development tool offering "What you see is what you get" capability of editing cascading style sheets

[Javascript Parser](#)

Web front-end application for parsing javascript files, detecting syntax errors, and allowing user to navigate through all tokens, variable declarations, top-level statements, or all function definitions

[JDAO](#)

Java Data Access Object: Web application for designing relational databases and rapidly generating form/grid web pages from data. Needs to be installed in a Java web application container

[CSV Editor](#)

Web front-end application for editing CSV-formatted data sheets in case user does not have Excel. Column separator and row separator can be customized

[CSV Merge](#)

Web front-end application of merging two csv files using fuzzy key matching. This is specifically useful for merging blackbook gradebook with the third party grade reports

[Maneuverable Showcase](#)

Web application of making and presenting lectures for various subjects, supporting LaTeX, rapid formatting, multimedia integration, animation, content scheduling and maneuverability

[Blackboard Batch Grade](#)

Java Desktop application for grading Blackboard downloaded student's submissions for assignments or tests in a batch mode. It supports automatic scanning and estimate and loads all submissions in a single window, greatly reduces number of clicks and interactions. It also merges grade sheets from classroom.github and classroom.google

[TeaLeaMan](#)

A million-line-code, large-scale web application for teaching and learning management, supporting multi-languages and multi-institutions