**1、PC端之Qt**

HmiFuncDesigner

[github.com/VelsonWang/…](https://link.juejin.cn?target=https%3A%2F%2Fgithub.com%2FVelsonWang%2FHmiFuncDesigner) 高仿武汉舜通QTouch，请重点关注

[gitee.com/libaineu200…](https://link.juejin.cn?target=https%3A%2F%2Fgitee.com%2Flibaineu2004%2FHmiFuncDesigner) 国内镜像

[读开源QScada框架HmiFuncDesigner-master的笔记](https://link.juejin.cn?target=https%3A%2F%2Fblog.csdn.net%2Flyang0303%2Farticle%2Fdetails%2F104018592)

[github.com/VelsonWang/…](https://link.juejin.cn?target=https%3A%2F%2Fgithub.com%2FVelsonWang%2FAppDemo) 项目源码修改自Qt Creator源码，保留了基本的插件框架

Qt Design Studio

Qt Design Studio是一款UI设计和开发工具，它让设计师和开发者可以迅速设计原型，并且开发复杂的可伸缩的UI。简单概括其功能就是让UI设计转换为qml，为工程师所用。

Qt Design Studio源码源自qt creator的分支。

[libaineu2004.blog.csdn.net/article/det…](https://link.juejin.cn?target=https%3A%2F%2Flibaineu2004.blog.csdn.net%2Farticle%2Fdetails%2F105866698)

Device\_Studio

[github.com/ybjx1987/De…](https://link.juejin.cn?target=https%3A%2F%2Fgithub.com%2Fybjx1987%2FDevice_Studio) 前同事写的组态软件基础框架

pvbrowser

[pvbrowser.de/pvbrowser/i…](https://link.juejin.cn?target=https%3A%2F%2Fpvbrowser.de%2Fpvbrowser%2Findex.php)

[github.com/pvbrowser/p…](https://link.juejin.cn?target=https%3A%2F%2Fgithub.com%2Fpvbrowser%2Fpvb)

Other

[github.com/ShellAlbert…](https://link.juejin.cn?target=https%3A%2F%2Fgithub.com%2FShellAlbert%2FLaserHMI)

[github.com/IndeemaSoft…](https://link.juejin.cn?target=https%3A%2F%2Fgithub.com%2FIndeemaSoftware%2FQSimpleScada) 简易版组态软件

[github.com/michpolicht…](https://link.juejin.cn?target=https%3A%2F%2Fgithub.com%2Fmichpolicht%2FCuteHMI)

**2、PC端之kanzi**

kanzi目前主要聚焦在车载领域，cluster、IVI、HUD等，3D引擎是其主要特点。Rightware已经隶属于中科创达。Qt出现的更早，应用也更加广泛。但是就车载领域而言，kanzi开发效率更高。

[www.rightware.com/kanzi](https://link.juejin.cn?target=https%3A%2F%2Fwww.rightware.com%2Fkanzi)

**3、PC端之C#**

RapidScada

[rapidscada.org/](https://link.juejin.cn?target=https%3A%2F%2Frapidscada.org%2F)

[github.com/RapidScada](https://link.juejin.cn?target=https%3A%2F%2Fgithub.com%2FRapidScada)

SharpSCADA

[github.com/qwe7922142/…](https://link.juejin.cn?target=https%3A%2F%2Fgithub.com%2Fqwe7922142%2FSharpSCADALite)

[github.com/GavinYellow…](https://link.juejin.cn?target=https%3A%2F%2Fgithub.com%2FGavinYellow%2FSharpSCADA)

Other

[github.com/AlexDovgan/…](https://link.juejin.cn?target=https%3A%2F%2Fgithub.com%2FAlexDovgan%2FFreeSCADA)

[www.cnblogs.com/evilcat/](https://link.juejin.cn?target=http%3A%2F%2Fwww.cnblogs.com%2Fevilcat%2F)

**4、PC端之VC++**

[github.com/qinyong99/S…](https://link.juejin.cn?target=https%3A%2F%2Fgithub.com%2Fqinyong99%2FSuperCxHMI)

[download.csdn.net/download/sa…](https://link.juejin.cn?target=https%3A%2F%2Fdownload.csdn.net%2Fdownload%2Fsakichen%2F1076341)

[download.csdn.net/download/ad…](https://link.juejin.cn?target=https%3A%2F%2Fdownload.csdn.net%2Fdownload%2Fadamxie84%2F10533486)

[download.csdn.net/download/qq…](https://link.juejin.cn?target=https%3A%2F%2Fdownload.csdn.net%2Fdownload%2Fqq_19068437%2F8557623)

[www.genlogic.com/](https://link.juejin.cn?target=http%3A%2F%2Fwww.genlogic.com%2F)

**5、PC端之Java**

[github.com/SCADA-LTS/S…](https://link.juejin.cn?target=https%3A%2F%2Fgithub.com%2FSCADA-LTS%2FScada-LTS)

**6、Web端**

智物联工业物联网底层系统：网页版组态软件参考网站，可供物联网行业应用参考

FIDIS（全称Flexible information data integrate system，柔性信息与数据集成系统），作为智物联工业物联网体系中的应用系统平台，承担着MixIOT应用数据的展示，以及与MixIOT系统的操作和交互。同时，FIDIS系统作为底层应用平台，支持基于OpenFrame开发框架的应用的二次开发。

[github.com/mixlinker/f…](https://link.juejin.cn?target=https%3A%2F%2Fgithub.com%2Fmixlinker%2Ffidis)

[doc.mixlinker.com/](https://link.juejin.cn?target=http%3A%2F%2Fdoc.mixlinker.com%2F)

PyScada is a open source scada system that uses the Django framework as backend

[github.com/trombastic/…](https://link.juejin.cn?target=https%3A%2F%2Fgithub.com%2Ftrombastic%2FPyScada)

le5le-topology是一款开源、易扩展、方便集成的在线绘图（微服务架构图、网络拓扑图、流程图、活动图、时序图、类图、思维导图/脑图、动画等）的软件项目。

[topology.le5le.com/](https://link.juejin.cn?target=http%3A%2F%2Ftopology.le5le.com%2F)

topology

一个轻量（100k左右）、功能丰富的绘图工具（微服务架构图、拓扑图、流程图、类图等ULM图、脑图，动画、视频支持）

[github.com/le5le-com/t…](https://link.juejin.cn?target=https%3A%2F%2Fgithub.com%2Fle5le-com%2Ftopology)

OSHMI

 OSHMI是一种基于现代开源HTML5的HMI，它是为变电站自动化而从头开始构思的，但它可以用于任何其他自动化领域，如工业生产、楼宇系统、物联网等。

[oshmiopensubstationhmi.sourceforge.io/](https://link.juejin.cn?target=https%3A%2F%2Foshmiopensubstationhmi.sourceforge.io%2F)

[sourceforge.net/projects/os…](https://link.juejin.cn?target=https%3A%2F%2Fsourceforge.net%2Fprojects%2Foshmiopensubstationhmi%2F)

[ksylvest.github.io/jquery-grid…](https://link.juejin.cn?target=http%3A%2F%2Fksylvest.github.io%2Fjquery-gridly%2F)  
http://www.lanrenzhijia.com/demos/40/4004/demo/  
[jgraph.github.io/mxgraph/jav…](https://link.juejin.cn?target=http%3A%2F%2Fjgraph.github.io%2Fmxgraph%2Fjavascript%2Fexamples%2Fgrapheditor%2Fwww%2Findex.html)

[jgraph.github.io/mxgraph/jav…](https://link.juejin.cn?target=http%3A%2F%2Fjgraph.github.io%2Fmxgraph%2Fjavascript%2F)  
[github.com/riclolsen/O…](https://link.juejin.cn?target=https%3A%2F%2Fgithub.com%2Friclolsen%2FOSHMI)  OSHMI是一种基于现代开源HTML5的HMI，它是为变电站自动化而从头开始构思的，但它可以用于任何其他自动化领域，如工业生产、楼宇系统、物联网等。

[github.com/UsrIot](https://link.juejin.cn?target=https%3A%2F%2Fgithub.com%2FUsrIot) 有人物联网

[www.ecava.com/igx-web-sca…](https://link.juejin.cn?target=https%3A%2F%2Fwww.ecava.com%2Figx-web-scada%2F) ECAVA INTEGRAXOR WEB SCADA

topology.le5le

[topology.le5le.com/](https://link.juejin.cn?target=http%3A%2F%2Ftopology.le5le.com%2F)

[github.com/le5le-com/t…](https://link.juejin.cn?target=https%3A%2F%2Fgithub.com%2Fle5le-com%2Ftopology)

FUXA

Web-based Process Visualization (SCADA/HMI/Dashboard) software

[github.com/frangoteam/…](https://link.juejin.cn?target=https%3A%2F%2Fgithub.com%2Ffrangoteam%2Ffuxa%2F)

**7、一个流行的设备采集，程序通讯，跨平台的组件框架**

[www.hslcommunication.cn/](https://link.juejin.cn?target=http%3A%2F%2Fwww.hslcommunication.cn%2F)

[github.com/dathlin](https://link.juejin.cn?target=https%3A%2F%2Fgithub.com%2Fdathlin)

[www.cnblogs.com/dathlin/p/7…](https://link.juejin.cn?target=https%3A%2F%2Fwww.cnblogs.com%2Fdathlin%2Fp%2F7703805.html)

**8、dugigeek**

本软件是融合其他多种行业软件特性而开发的针对SCADA、HMI、FSU，DTU， 等物联网设备网的综合定制和开发软件平台，软件目标是提供包括硬件选型、固件研发、应用软件，产品测试等”壹套龙服务“，软件源码将采取保姆模式永久开源!

[www.dugigeek.com/](https://link.juejin.cn?target=http%3A%2F%2Fwww.dugigeek.com%2F)

[gitee.com/dugiware/du…](https://link.juejin.cn?target=https%3A%2F%2Fgitee.com%2Fdugiware%2Fdugitools)

[gitee.com/dugiiot/dug…](https://link.juejin.cn?target=https%3A%2F%2Fgitee.com%2Fdugiiot%2Fdugiiotcad)

**x、其他组态软件**

**（1）厦门海为 haiwell**

[www.haiwell.com/](https://link.juejin.cn?target=http%3A%2F%2Fwww.haiwell.com%2F)

**（2）武汉舜通 QTouch**

[www.sitcsys.com/](https://link.juejin.cn?target=http%3A%2F%2Fwww.sitcsys.com%2F)

**（3）ucancode**

[www.ucancode.com/](https://link.juejin.cn?target=http%3A%2F%2Fwww.ucancode.com%2F)  付费软件，中文

[www.ucancode.net/](https://link.juejin.cn?target=http%3A%2F%2Fwww.ucancode.net%2F) 英文

**（4）LVGL - Light and VersatileGraphics Library**

LVGL是一个开源图形库，提供您创建嵌入式GUI所需的一切，易于使用的图形元素，美丽的视觉效果和低内存占用。

[lvgl.io/](https://link.juejin.cn?target=https%3A%2F%2Flvgl.io%2F)

[github.com/lvgl/lvgl](https://link.juejin.cn?target=https%3A%2F%2Fgithub.com%2Flvgl%2Flvgl)

[gitee.com/lixuqing/qt…](https://link.juejin.cn?target=https%3A%2F%2Fgitee.com%2Flixuqing%2Fqt_lvgl)

[blog.lvgl.io/2019-01-03/…](https://link.juejin.cn?target=https%3A%2F%2Fblog.lvgl.io%2F2019-01-03%2Fqt-creator) ++ [github.com/ScarsFun/pc…](https://link.juejin.cn?target=https%3A%2F%2Fgithub.com%2FScarsFun%2Fpc_simulator)

[blog.csdn.net/pyt12345678…](https://link.juejin.cn?target=https%3A%2F%2Fblog.csdn.net%2Fpyt1234567890%2Farticle%2Fdetails%2F106373638%2F) Qt 编译 littlevGL

[www.armbbs.cn/forum.php?m…](https://link.juejin.cn?target=http%3A%2F%2Fwww.armbbs.cn%2Fforum.php%3Fmod%3Dviewthread%26tid%3D98427) 基于QT的LVGL 7.0 DEMO演示工程

GUI Guider是恩智浦为LVGL开发了一个上位机GUI设计工具，可以通过拖放控件的方式设计LVGL GUI页面，加速GUI的设计。设计完成的GUI页面可以在PC上仿真运行，确认设计完毕之后可以生成C代码，再整合到MCU项目中。

进入NXP官网[www.nxp.com.cn/](https://link.juejin.cn?target=https%3A%2F%2Fwww.nxp.com.cn%2F)，的软件中心搜索：GUI Guider，即可找到。

[www.nxp.com/design/soft…](https://link.juejin.cn?target=https%3A%2F%2Fwww.nxp.com%2Fdesign%2Fsoftware%2Fdevelopment-software%2Fgui-guider%3AGUI-GUIDER)

[www.nxp.com.cn/design/soft…](https://link.juejin.cn?target=https%3A%2F%2Fwww.nxp.com.cn%2Fdesign%2Fsoftware%2Fdevelopment-software%2Fgui-guider%3AGUI-GUIDER)

**（5）AWTK**

AWTK 全称为 Toolkit AnyWhere，是 ZLG倾心打造的一套基于 C 语言开发的 GUI 框架。旨在为用户提供一个功能强大、高效可靠、简单易用、可轻松做出炫酷效果的 GUI 引擎，并支持跨平台同步开发

[github.com/zlgopen/awt…](https://link.juejin.cn?target=https%3A%2F%2Fgithub.com%2Fzlgopen%2Fawtk)

[gitee.com/zlgopen/awt…](https://link.juejin.cn?target=https%3A%2F%2Fgitee.com%2Fzlgopen%2Fawtk)

其中AWTK Designer是界面设计工具。