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|--------------|---|--|---|
| from 1967 | | | |
| from 1986 | Chemical Analysis Research and development of gas and liquid chromatographs | Temperature Control | PID/Extended PID |
| | hardware circuit for analog/digital design. | Motor Control for Liquid chromatographs | Micro Step controller, driver circuit, Transformer design |
| | Firmware for microcomputer control. | Detectors for gas chromatographs | FID (frame ion), TCD (thermal conduction) |
| | | Liquid chromatographic Detectors | UV (ultraviolet permeation), RI |
| from 1996 | Hardware, software, middleware development | TV phone (and related equipment) | Analog modem circuit degign |
| | Windows, PC-Linux | | NTSC/PAL compression extension circuit |
| | baremetal, ulTRON, T-Kernel | | Diversion to development of remote monitoring device |
| | Embedded-Linux, Windows-CE | Virtual COM Port | WinCE Application, Windows Virtual COM Drivers |
| | | | Ether-Serial Conversion |
| | assembler, C/C++, C# | Drive Recorder | Firmware Development |
| | Visualstudio, Qt, GCC | | Viewer for Windows |
| | | | FPGA Design |
| | VHDL | | |
| | XILINX-EDK, SCH-CAD, PCB-CAD | Bill, coin validation equipment | validation sensor |
| | opensource | ATM Inspection Equipment | T-Kernel driver, KernelBase application |
| | opency, boost, eigen, vtk, tesseract | OS, middleware porting, customization | ulTRON-based OS porting NORTi, TOPPERS/FI4, each chip vendor OS |
| | opener, soest, eigen, van tesserate | os, madieware porting, castornization | tcpip middleware tuning |
| | | | LANC, CF/PCMCIA driver |
| | | | MODBUS, FLNET, HSMS, SECS (1/2) stack |
| | | | PLC-PC communication |
| | | I/F Converter for mass flow controller | mass flow controll |
| | | ,, r contenter for mass non controller | DeviceNet protocol Stack |
| | | | RS485-DeviceNet Conversion |
| | | | |
| | | Printer for medical equipment | Printing, communication firmware |
| | | | Test program |
| | | Mine detectors | UI |
| | | Water Level Alarm System | Remote data collection and distribution system |
| | | <u> </u> | Data collection/Delivery |
| | | Earthquake alarm System | Remote monitoring server-inter-device communication |
| | | High-rise meteorological data processing | Receiving Data processing application |
| | | | DB/WCF Inter-application communication processing |
| | | Dam Management System | U I/Data collection/Inter-device communication |
| | | photolithography control | Interferometer Control |
| | | ES Chip Evaluation | BITW(IPSec GigaEther) ES Chip Evaluation circuit design |
| | | Power Bank Controller chip | USB (A, B, Type-c/PD) chip, Protocol control |
| | | Factory automation system | IoT |
| | | , | Motion detection/tracking/judgment processing |
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