About Azman

“One should not pursue goals that are easily achieved. One must develop an instinct for what one can just barely achieve through one’s greatest efforts.” **- Albert Einstein**

Curriculum Vitae: Basic Resume (Mini)

Code repository: Main, MY1

Feature: my1sim85 (releases), my1emu85, my1asm85, my1digitaljs

Useful Note(s): Linux (Slackware| Devuan), FreeBSD, Raspberry Pi, MCU51 (8051), Git (SCM)

Not-so-complete Note(s): Code:C, Code:C++, Code:Python, Code:Javascript, Code:HDL, System Design

Mini-blog

*“Intelligence is not the ability to store information, but to know where to **find** it.”* **- Albert Einstein**

Another **LAME** blog (by me, of course 😎).

Read all posts

Another New Beginning

Check it out here. Just something to keep me working post-retirement 😎

***Added20261125**: Join the discussion group to get more information. Need to be a member to read/post though.*

2026/11/20 02:26 · azman
my1

MY1 C Compiler

Guess what I have been doing for the last month? I call it my1cc (duh!)... and I have published my initial work at codeberg.org. Obviously it is wayyyyy from being usable, but the parser seems to work... somewhat. In the end, I was hoping to develop a usable C compiler for 8051/8085 platforms, so that I can use it in my microcontroller/microprocessor classes. I do have to pause a bit... hopefully I can resume A.S.A.P.

But, DO NOT hold your breath for that 😬

That is all I have to say about that.

2026/02/08 04:56
programming, technology

Links to stuffs

Things I'm checking out... 😎

- RISC-V - RISC open architecture
- J-Core - SH-compatible (SuperH instruction set) open core design
- Tiny Tapeout - For me, the new MOSIS :p

- Neuromorphic - VLSI with analog circuits... an example is theNeurogrid
- Memristor - Memory capable circuit element... better density, better suited for analog integration?

- CoreBoot - BIOS replacement
- FlashROM - Need this for coreboot?
- XCore86 - i586-compatible processor that can be used in systems that run on AA batteries???
- Wireless Power - Wireless Charging?

- Game Theory - Something that I was VERY interested in, but just couldn't get the time to look further...

- XL Game Engine - Nice!

- Open Simulator - 3D Application Server
- suckless.org - what do you think?

- Open Street Map - Google Maps alternative? Data only?
- Open Layers - Mapping JS library (BSD licensed)

- Matrix - Open Network, Decentralized Communication

- https://emscripten.org/index.html - Compile C/C++ code into Javascript?

- QuickJS - Small MIT-licensed JS engine! (GitHUB)

- pcb - Tutorial for PCB layout software
- Wiring info: Wiring
  - basically, the minimum (AWG30-gauge) is said to achieve 1A easily although the above site states 860mA/142mA

Interesting Links:

- Image Completer? - Not really related... just like to read about it.
- Auto-Focus - Something I want to explore... also here

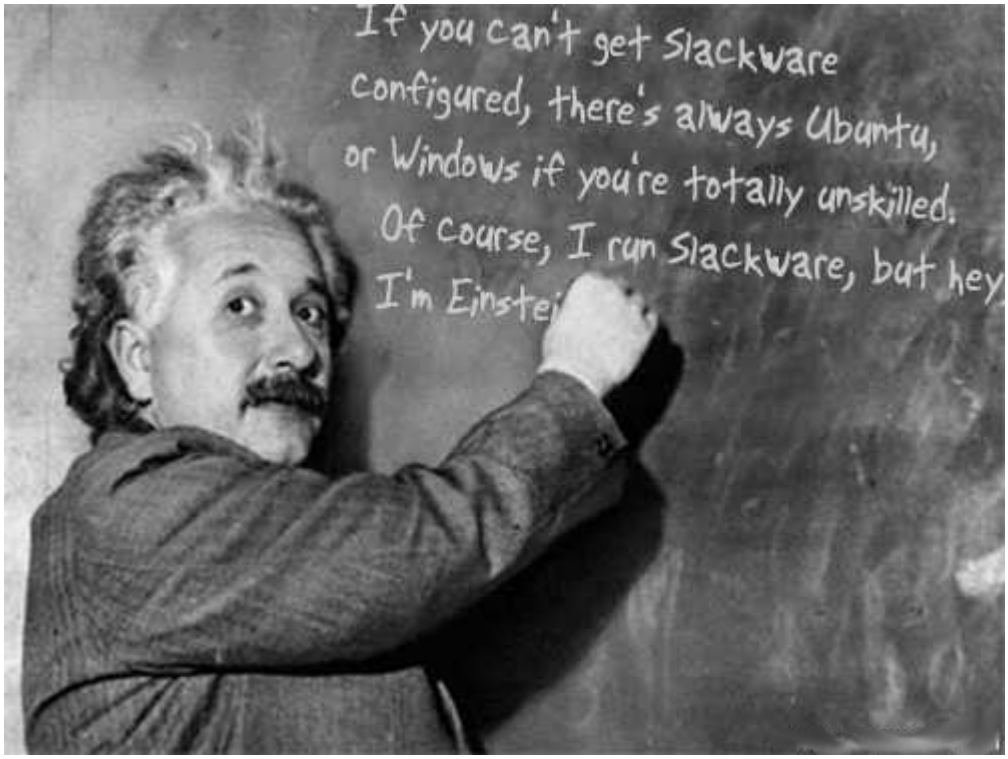
- IceStorm - Reverse engineering project that allows fully open source Verilog-to-Bitstream flow

for iCE40 FPGAs

- IceStudio - FPGA Block Diagram Design Tool (plus Programmer)... Cool! 😎
  - For this (manufacturer site)... that's double cool 😎😎
- Webots - Robot Simulator
- Player - Robot device Interface (Part of the Player Project)
- Stage - Multiple Robot Simulator (Part of the Player Project) (Repo)
- Gazebo - 3D Multiple Robot Simulator (*[Used to be?]* Part of the Player Project) (Repo)
- ARGoS - Large-scale Robot Simulator?
- Games Development - From Scratch?
- SFML - Compared with SDL?
- Using hosts file - Interesting!
- InfraRed DB - May want this as reference?

Development Platform

I have decided to use Linux exclusively for my project development work. Which Linux distribution should I use? Let's ask Einstein...



Note #1: I got this image from a link in an LQ forum thread. Please inform me if I should NOT use this image (from legal point of view).

Note #2: I would also like to clarify that you do NOT have to be be Einstein to run Slackware. But, you DO need to know how to read (instructions) and write (specifically, type some stuffs on a computer).

All development work will be done on Linux-based systems - Slackware is recommended and is what I

use (Devuan is also a good substitute and what I setup for my family), but I'll also try to accommodate people working on other platforms.

I'm inclined towards the MIT license and the Simplified (2-clause) BSD license. Information on various open source license(s) at OSI website. Read more @ wikipedia

Links to local pages

Training Courses: Introduction to Verilog and ModelSim, Using Raspberry Pi as Data Server for Embedded Systems

Personal Notes: Vim Stuff, Sed Stuff, Database Stuff, Screen Stuff, Qemu Stuff, LibreOffice Stuff, Android App Development, MathPublish(Dokuwiki) Stuff, Cross Compiler Stuff, Samba AD Domain Controller, Computer Network, Android Stuff, VirtualBox Stuff, GTK Stuff, Python CV Stuff, Scripting Stuff, Htaccess Stuff, Random Stuff, (OLD) Games Stuff, Sync Google Drive on Linux FPGA Notes: Xilinx, Xilinx Spartan-3 VSK Barebone, Altera Dev. Notes: Board(s), Display(s)

Archive: Nokia 3310 LCD, Pioneer-3 Robot SDK Basics, Window$ Stuff, Linux on Android

Academic Archive: NMK322 - Microcontroller, NMK201 - Microprocessor, NMK206 - Computer Architecture, PGT444 - B.Eng.Tech. Project (FYP @FTKE), PGT302 - Embedded Software Technology, PGT104 - Digital Electronics, PGT206 - Computer Architecture, PGT200 - Operating Systems, EKT322 - Embedded System Design, EKT222 - Microprocessor Systems, EKT422 - Computer Architecture, EMT251 - Introduction to IC Design, EKT444 - Final Year Project @SCCE, Unisite stuff, Infopedia

Something...

Something to remember...

Note to self

Dokuwiki Stuffs: purge=true (force re-caching) , do=check , do=export_html , do=export_pdf (plugin)

Setting up dokuwiki...

```
git clone https://github.com/splitbrain/dokuwiki.git
git checkout --track origin/stable
```

Dokuwiki plugins I use:

dokuwiki_plugins.txt

```
- blog> https://www.dokuwiki.org/plugin:blog
```

```
  = include> https://www.dokuwiki.org/plugin:include
  = pagelist> https://www.dokuwiki.org/plugin:pagelist
- columns> https://www.dokuwiki.org/plugin:columns
- definitionlist>https://www.dokuwiki.org/plugin:definitionlist
- dw2pdf> https://www.dokuwiki.org/plugin:dw2pdf
- folded> https://www.dokuwiki.org/plugin:folded
- iframe> https://www.dokuwiki.org/plugin:iframe
- math2|mathpublish> https://www.dokuwiki.org/plugin:mathpublish
- move> https://www.dokuwiki.org/plugin:move
- orphanswanted> https://www.dokuwiki.org/plugin:orphanswanted
- pagebreak> https://www.dokuwiki.org/plugin:pagebreak
- tag> https://www.dokuwiki.org/plugin:tag
- upgrade> https://www.dokuwiki.org/plugin:upgrade
- vshare> https://www.dokuwiki.org/plugin:vshare
- wrap> https://www.dokuwiki.org/plugin:wrap
```

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