

RP2350 on Raspberry Pi Pico 2

From forking Hazard5 to having Hazard3 running

CoreMark took less than a week. From that point

years, working on it on-and-off throughout. There is

until the first RP2350 tapeout was around two

for future expansion — it will never be 'finished',

still ongoing maintenance work, and plans

just transition from development to stable

in the base ISA — did we really need 31 link registers? — but the community is the most important thing in my eyes. I am excited about RISC-V because it lets you perform your mad-scientist architecture experiments on top of a clean and standard architecture. If you look at something like CHERI, which is a super-exciting development in the embedded security space, those folks have just gone and written a spec, and you can just go and implement it — no need to wait for it to be served on a plate.

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RISC-V

**NEUBER JOSE DE SOUSA** 

26th September 2024, <u>2:20 am</u>

5th October 2024, <u>12:59 am</u>

If you haven't already, you should read "The Soul of a New Machine". It might be fun for

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RP2350

Raspberry Pi Pico 2

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Hi

you.

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What about RemoteProc

A Marchini

The base instruction set is quite clean and simple,

and you can add more complexity from a menu of

and they could actually use it, and I could program

using a real production-grade compiler like GCC or

That was a long time ago, and RISC-V has come a

community. There are other instruction sets that

have become more open in the wake of RISC-V but

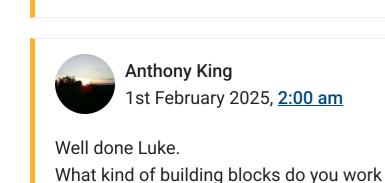
I think it's clear where the momentum is. It's easy

to criticise some of the technical decisions made

long way since, both technically and as a

LLVM.

extensions. I could share that with other people,



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