

Rust in Mesa

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- To learn Rust
 - Learn more about OpenCL and better understand clover
 - Figure how to integrate Rust into Mesas code base
 - ... as an API implementation
 - ... as a user of Mesas already existing code
 - Figure out how well mesons Rust integration works
- Thanks to Dylan Baker for helping me with some problems

How does it work?

- rust-bindgen used for generating Mesa and OpenCL bindings
- and a bunch of Rust code
- <https://gitlab.freedesktop.org/karolherbst/mesa/-/tree/rusticl/src/gallium/frontends/rusticl>

- CL CTS tests doing buffer read/write/copies...
- No compiler integration yet (requires Rust bindings for LLVM and NIR)
- No support for external crates in meson
- No good solution for *static inline* functions yet