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What?

- This presentation is part of a 3-semester introduction to architecture, compilers, and operating systems using the selfie system.
- Selfie is a minimal, fully self-contained 64-bit implementation of a self-compiling C compiler, RISC-V emulator, and RISC-V hypervisor. Selfie can compile, execute, and virtualize itself any number of times!
- Everything needed is implemented in a single, 10-KLOC file of C code. There are no includes and no external libraries. For bootstrapping, a C compiler will do.
- The purpose of selfie is to teach the implementation of programming languages (C subset), operating systems (virtual memory, concurrent processes), and processor architecture (RISC-V subset), all using the same code!

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