CSE 291: Operating Systems in Datacenters

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Agenda for Today

- FPGAs overview
- AmorphOS discussion
- Coyote discussion
FPGAs
What is an FPGA?

- FPGA: Field Programmable Gate Array
  - Grid of configurable logic blocks (CLBs)
  - Connected by a programmable interconnect
  - RAM, I/O, etc.
How do you program an FPGA?

HDL (e.g., Verilog) → synthesis → netlist → place and route → bitstream
AmorphOS Discussion
Coyote Discussion