

- **Programming Languages:** System Verilog, Verilog, C, Python, C++, Perl, ARM Thumb/RISC-V Assembly
- **Libraries:** ARM CMSIS RTOS, FreeRTOS, Protobuf, Nanopb, Threading (Python), PySerial, PyFTDI, LittleFS (Python), PyTest
- **Computer Science:** Object Oriented Programming, Data Structures, Machine Learning, Operating Systems
- **Software Applications:** VCS, UVM, Whisper, Vivado, Git, Lauterbach, Linux, MATLAB, KiCad, Autodesk Eagle, Latex