

E&E fresh graduates from UTAR to join Intel FPGA group in Penang

Position: Graduate Intern Technical (GT)

Job Description

Intel PSG offers a large selection of intellectual property IP cores optimized for Intel FPGA devices, all of which are developed for highest performance, lowest cost, ease of use and fastest time to market. The Custom IP Engineering Solution group is responsible for High Speed Protocol IP development, which includes participating in high-level product specifications, logic(RTL) design and implementation, RTL verification, IP FPGA emulation prototyping and hardware validation using Quartus Development Kit. As an IP Design Engineer focusing on IP Design, Verification and Validation, you will be responsible for carrying out design & validation for Intel next generation IP across the Intel FPGA IP product portfolios, eg. PCIe, Ethernet, Interlaken, JESD204, Serial Lite, CPRI, ORan and more.

Qualification

Bachelor degree in Electrical, Electronics, Computer Engineering or equivalent.

Familiar in FPGA, custom IC or ASIC design and verification, demonstrated excellence in any of the product development areas from architecture, design, validation to product.

Interested to learn advanced system design and validation methodologies and technologies such as FPGA prototyping, emulation, simulation and co emulation.

Experience using advanced verification methodologies such as UVM, OVM, VMM, System Verilog, constrained random verification, assertion based verification, and functional coverage techniques is a strong plus.

Familiarity or experience in RTL design with Verilog and VHDL is a strong plus.

Familiarity or experience in embedded SW and HW design is a strong plus.

Interested to learn any protocol such as PCIe, Ethernet, IEEE 1588, JESD204, Interlaken, Serial Lite or 5G network.

Familiarity with Python, Perl, TCL and shell scripts is a plus.

Familiarity with Intel Quartus or Xilinx Vivado is a plus.

Highly motivated to learn and adapt to fast changing technologies and environments.

Exceptional analytical, problem solving and communication skills, initiative, promote innovation and teamwork.

Self motivated and ability to excel in a team environment.

Demonstrates fundamental values such as accountability, integrity and a winning mindset.

Intel Contact :

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