

Yanuo Deng (James)

1565 Cress Way, Olivehurst, CA, 95961 \* (408)444-5520 \* [deng.ya.nuo@gmail.com](mailto:deng.ya.nuo@gmail.com)

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Dear Hiring Manager

I am applying for the position of “Tech Staff Engineer-ASIC Design ” position in your esteemed company.

I believe I am the right candidate for the position as I have a MSc in Microelectronics & Solid State Electronics. My 15+ years of experience, among others, includes designing a dual-MIPS SOC with a Security Engine inside. I wrote all the IP cores consisting of AES, DES, 3DES, MD5, SHA1, CRC used to speed up the DICE + RIoT security cryptography. Each IP core was about 3000 to 5000 lines in Verilog HDL, activities included designing and testing the RTLs & Netlist, and timing check rules for simulation and place & route.

I am committed to achieving results and working long hours to achieve them is not a problem as evidenced by delivering at the rate of one IP core per month, with the SOC passing at first tapeout with a US patent US7356671B1 awarded.

I am also experienced as an embedded engineer using Linux + VxWorks, analogy simulation tool Hspice, and prototyping using Xilinx/Altera FPGA boards.

I hope my background meets your needs and I look forward to elaborating on how my specific skills and abilities will benefit Microchip Technology.

I can be contacted at [deng.ya.nuo@gmail.com](mailto:deng.ya.nuo@gmail.com) or text to (408)444-5520 to arrange for a convenient time to meet.

Sincerely,

Yanuo Deng (James)