

Yanuo Deng (James)

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

---

Aruba Networks, Roseville, CA, 95757

Dear Hiring Manager,

I am applying for the position of “ Embedded Software Engineer ” in your esteemed Aruba Network company.

I believe I am the right candidate for the position . I have a MSc in Microelectronics & Solid State Electronics. My 15+ years of experience, among others, includes a dual-MIPS SOC chip designing , Linux kernel trimming / driver porting , FreeRTOS driver porting / task coding, and bootloader coding.

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 awarded.

During developing / porting device drivers for Linux / FreeRTOS, I know what happened inside the CPU when writing to the registers, which give me some advantage at bootloader / driver developing .

I have WiFi driver developing / debug experience. I wrote UDP sender / receiver by FPGA leading me know every bit in the network transport layer. I use git / gnumake / bash / perl / sed / grep / vim as my developing tools. During prototype developing, I use mathematica / Golang / perl, while Golang / C / verilog / FPGA will be used to verify the system.

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

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

Sincerely,

Yanuo Deng (James)