

Kuanghua Qiao

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Hiring Manager
Advanced Micro Devices
Markham, ON, CA

Re: Silicon Design Engineer - GPU/MIPU Power & Performance
Greetings Hiring Manager:

I am writing to reply to this Silicon Design Engineer position that I found on your career website. I am an Electrical Engineering graduate from York University, who enjoys solving challenges and tinkering electronics. Seeing the job description, I consider myself to be a strong candidate for this position.

As a research assistant in a bio-medical sensor lab, my projects always require generating test input and output signals by programming microcontroller for a target sensor. The microcontroller I have worked on include ATmega328p, 32u4, ESP32, and SAM3X. On the other side, I also create GUI test applications that are easy to use and highly efficient when combined with diagnostics instruments such as digital multimeters, oscilloscopes, function generators, and VNAs. Through my PCB interface design task in the Core-CBCM CMOS Capacitive Sensors project, I can fluently utilize PCB design software such as Altium Designer and KiCad; Hand soldering with a soldering iron as well as a hot air station is another skill I gained through practice. The board I designed can be seen on my LinkedIn profile. My education grants me an even broader skill set include Cadence, Verilog, and Linux development environment.

Enclosed you will find my resume, which further details my skills, experience, and qualifications. I look forward to further discussing with you how I can contribute to the goals of your organization. Please contact me at your earliest convenience via email or by phone.

Yours sincerely,

Kuanghua Qiao