

Hello team,

I recently came across Ahead Computing and was excited to learn about its work in 64-bit RISC-V application processors. The company's vision "Everyone deserves a better computer" caught my attention, and I see a strong alignment between my expertise and your mission. I am reaching out to express my keen interest in SoC Design Engineer roles at your company.

About me, I am a graduate student specializing in Electrical Engineering with a focus on VLSI and computer architecture. I have developed a comprehensive understanding of the full VLSI design cycle from initial architecture through tape-out. My skills encompass

CPU and memory microarchitecture design

, performance analysis, profiling, and coding in Verilog and SystemVerilog, as well as functional verification, synthesis, timing analysis, and physical design tasks, including floor planning, placement, routing, and timing closure. I am proficient in industry-standard tools such as Synopsys Design Compiler,

Cadence Genus, Innovus, and ModelSim

for synthesizing and simulating RTL designs to meet performance, area, and power objectives.

Additionally, I have worked on projects involving

Network-on-Chip (NoC) design

and

machine learning accelerators

, where I utilized tools like

Gem5 and Python

to analyse and optimize system performance.

In addition to my technical skills, I have professional experience as a senior automotive engineer working on

real-time and Linux based systems

, which has deepened my understanding of the physical challenges in chip design.

My experience in embedded systems programming, combined with my proficiency in RTL coding, ASIC design flow, and Computer architectures, equips me with a well-rounded skill set highly relevant to your companys hardware development efforts.

I would love to learn more about this opportunity and how I might contribute to your team. If youre available, Id appreciate the chance to connect and discuss how my background aligns with the role.

Please let me know if youd be open to a quick chat.

Looking forward to your thoughts.

P.S. PFA my resume for your reference.

Thanks, and Best Regards

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