

Dear hiring manager,

As a current graduate student pursuing a masters degree in computer engineering I am writing to express my interest in working for AheadComputing. I am a highly motivated student with experience as a product/test engineer in the RF semiconductor industry. I believe my passions and academic/industry experience enable me to be a valuable team member.

So far in my graduate career I have completed courses about microprocessor architecture, Digital VLSI design, ASIC Design with Verilog, and parallel computer architecture. I am currently enrolled in courses where I am learning about more advanced CPU microarchitecture, ASIC verification with SystemVerilog, and the design of neural networks.

Through my coursework I've learned that the topic that really interests me is CPU design and how we can continue to push the boundaries of IPC and efficiency as device scaling becomes more and more difficult. With that as my motivation and my dedicated work ethic I think I could excel at a position in AheadComputing working on one of the stages of your RISC-V cores.

While my previous experience as a Product/Test engineer in the RF semiconductor industry does not directly translate to CPU design roles I believe those years of industry experience working on cutting edge RF transceivers taught me many skills that are still required in any engineering role such as how to effectively work on an interdisciplinary team (design, test, project management, applications, marketing), solving technically challenging problems, and comfortably working under high pressure. After working for 4 years in the RF semi industry I decided I wanted to pivot my career towards what originally inspired me to pursue computer engineering, a passion to learn how to design the computers we use day to day. Working at AheadComputing would be an ideal fit for my passion.

Thank you for your consideration and I look forward to speaking about any opportunities available.

Sincerely,
Ulises Gutierrez