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| October, 16 ,2012  Dear Hiring manager:        I saw the job description regards to Applications Development Engineer, I think my expertise and past experience will fit me for this position ideally. I own a Master degree of Electrical and Computer Engineering, and have worked 4+ years in laboratory environments working with different level of various projects. The reason I believe that I can handle this position well are summarized as the following.  In short, my key strength can offer you with:   * Hands-on experience in semiconductor fabrication, includes   Lithography tool, PR development, C-V measurement tools… etc.   * Understanding of semiconductor fundamental and working principle. * Familiar with optical engineering technology. * Building modules from off-the-shelf components and good project management.   In the role as a research assistant in graduate school, my work involves in development of imaging system from concept to prototype development. The projects are successfully demonstrated the efficiency of proposed solution and are published into conference as well as journals. Thus, I have experience in system-level development and am capable of proposing solutions as well as troubleshooting. Through the oral presentation and serving as a technical TA, I can perform good technical presentation as well as technical documents.  Besides my research experience, my course training includes image processing, VLSI fabrication, optics, photonics device laid me solid engineering fundamental to explore different field. From the course, I acquired knowledge on semiconductor fabrication, optical lithography physics, and practical experience using the instrument. I believe my academic training of problem solving and practical experience with demonstrated success can serve as a good communication window while resolving customers’ problem in different fields.  KLA-Tencor has various product development related to different applications, and this serves a good chance to get involve in a high diversity of technology and can expend my horizontal in depth. I believe my expertise in optical engineering and semiconductor physics can contribute to company and serve the position well. Moreover, when in needs of traveling internationally, my bilingual skills (Chinese, English) and understanding of local culture will be a plus to better serve customers.  Therefore, if you favor my application, or if you have and question please feel free to contact me, I will be answering you with my best. Thank you for your time, and consideration of my application, I looked forward to hearing from you.  Best regards,  Sih-Ying |
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