

Dear Hiring Manager,

I am a graduate student at the University of California, Irvine (graduating in December 2013) with specialization in Computer Engineering. I am actively looking for full time opportunities as a Software Developer - preferably in the field of embedded systems/compilers.

Four years of relevant work experience, added with my relevant research work in UCI and successful completion of advanced systems related courses makes me believe that I am a strong candidate for this position.

My work with **Alcatel Lucent** (India) mainly involved low level API development. Here, I worked primarily on **Linux** based embedded systems developing features which require working knowledge of **device drivers, file systems, boot process, Shell scripting, inter-process communication**, and **TCP/IP** stack.

To add to this knowledge, I have also completed advanced courses like **high performance computing**, program analysis (**memory models** and compilers), system on chip software synthesis, and advanced **compiler construction**.

I am currently working on a **research project on LLVM** open source compiler under Prof. Michael Franz. This project aims to harness compiler-generated software diversity for defense purposes using a **multi-compiler diversification** engine. I am working on automatically generating unique yet functionally identical binaries/mobile apps for each download request.

During the summer of 2013, I interned at **Broadcom** (Irvine). Here, I developed a tool using the open source compiler infrastructure "LLVM/Clang" to perform static code analysis.

I look forward for an opportunity to demonstrate my abilities and would be eager to hear from you in the near future. Thank you for your time and consideration.

Eagerly looking forward to your reply,  
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