| **Curt Henrichs** | Dublin, CA 94568 ▪ (262) 422-7274  [curthenrichs@gmail.com](mailto:curthenrichs@gmail.com) ▪ [LinkedIn](http://www.linkedin.com/in/curt-henrichs) ▪ [GitHub](http://www.github.com/curthenrichs) |
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Date

Dear Mr. or Ms. (Contact’s Last Name): or Dear Hiring Manager:

In my search for a new challenge where I can leverage my expertise in embedded system engineering, software development, project management, human-computer interaction, QA, and manufacturing operations, I was pleased to find Company Name’s opening for a Position Title. Eager to learn more about this exciting opportunity, I have enclosed my resume for your review.

As my resume demonstrates, I am a multifaceted professional capable of achieving all targeted tasks put before me. With my current employer, I have shipped tens of EDM beam blanking systems, Synchrony timing systems, and Relativity sub-framing systems onto customer microscopes; each requiring aspects of electrical, firmware, and operations engineering. I have created voltage control firmware for the MM-DTEM sub-framing driver (IDES flagship product) and built/tested physical driver units. Currently, I am working on firmware for two new Xilinx Zynq SoMs as next-generation Synchrony and Relativity systems. With experience serving as a Senior Embedded System Engineer, I understand the need for open lines of communication, cross-functional collaboration, and teamwork paired with rigorous technical skills.

Please note the following highlights of my career strengths:

* Well-versed in FPGA/SOC firmware development and maintenance, competent in bare-metal and RTOS embedded C programming, architected multiple firmware libraries, and knowledgeable in multiple programming languages/frameworks.
* Proven ability to manage all phases of embedded systems, including research, development, production, testing, and maintenance to mitigate potential issues, provide system-level support, and collaborate with cross-functional teams.
* Instrumental in debugging new hardware; proficient in examining code, technical documents, and schematics, as well as implementing technical human-computer research projects.

By adding me to your team, Company Name would gain a diligent, results-oriented professional with the knowledge, passion, and focus required to successfully fill the role of Position Title. As such, I would welcome the opportunity to meet with you in person and discuss this opening in further detail.

Best regards,

Curt Henrichs