QUENTIN PIERCE

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Senior Hardware Design Engineer

I will be furthering my career in electrical engineering, specifically device design. I have work experience with two great companies whom are the leaders in their industries. I have designed oscilloscope subsystems and I have written software CAD tools that support RTL design. I have built IoT devices that automate many of my hobbies. I am pursuing jobs concerning device design; particularly devices that automate tasks.

Internet of Things.

Internet of Things will bring automation into all our lives. I have written and taught classes on basic IoT device design. I have used the concepts of IoT to automate several hobbies at home: beer, video gaming, and cooking. I would like to pursue device design that gives me experience in networking devices and, again, automation.

Device Design.

Computation and SW will provide wonderful methods of controlling devices. Therefore, device design will always meld hardware engineering with software engineering. I can solve problems in either domain. I can use both HW and SW skills to design a device, expanding my creativity.

Transitioning My Skill Set.

I would like to transition my skill set from two great companies and two branches of engineering into a career of building devices. I do like the idea of testing devices and can use both HW and SW experiences to validate a device.

Merging Two Skill Sets.

I've begun augmenting my HW design skills with automated SW testing. By writing automated tests for the devices I've designed, I've improved the rate I learn the circuitry and provided tools for other engineers to use. I am looking for opportunities in which I can leverage the two skill sets to build devices.

I am looking forward to learning more about career opportunities with your company.

Thank you for reading my cover letter.

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