

Resume For Chris L. Troutner

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Online Portfolio: <http://christroutner.com>

Work History:

- **Test Engineer at Integra – 1.5 Years** (integragroup.com): I joined Integra in order to transition from a career in hardware into commercial software. Integra was also my introduction to working on an **Agile Scrum** team. I work in the QA department on their flagship product, DocuTrack, which is document management software for pharmaceutical companies. Unlike previous jobs, there was no hardware component. It was all software. Roughly half my time was spent in manual UI and SQL database testing and the other half was spent writing automated test-cases using JavaScript. I also took charge of maintaining the internal testing documentation for the QA team and assisted in the build out of a Build Verification Test (BVT) system that automatically tested the nightly build against an extensive library of automated test cases.

I was very happy at Integra and was consistently reminded by my managers and team members that my contributions were appreciated. However, my eventual goal is to find a job that allows me to work remotely, and that was not an option at Integra. References available upon request.

- **Test Engineer / Project Manager at the PACCAR Technical Center – 3.5 Years:** At PACCAR I managed several engineering projects, coordinated the efforts of technicians in several departments, managed project budgets with a cumulative total of over \$500,000, and authored and maintained technical documents that governed company best practices. At PACCAR I took several courses on Six Sigma and Reliability Engineering. Many of these lessons translate directly to **Agile Scrum** testing, as Agile was developed from Six Sigma principles. I reported to management at every level of the company and never received anything but praise for my work. References available upon request.
- **Electrical Design Engineer at Synapse Product Development – 1 Year.** At Synapse I designed several circuits for clients which included Nike, Panasonic, Tetracore, Yakima, and other companies. These products included medical equipment, sports equipment, automotive electronics, and consumer products.
- **Test Engineer at Xerox – 1 Year.** My primary duty was to design test fixtures for the functional testing of printer and copy machine components built in their China manufacturing facilities. This position utilized my skills in circuit design as well as software development of firmware and PC-side scripting in JavaScript. Using JavaScript I created a suite of test-cases that exercised the software and hardware in their printer products. In addition to my primary duties, I designed a new system for interfacing with oscilloscopes during functional testing that saved the company \$2,500 per fixture or roughly \$20,000 per year.

Personal Projects:

- See a list of personal projects and additional work experience on my portfolio website: ChrisTroutner.com
- In 2010, I started the Open Source project FreeChargeController.org. The main website uses MediaWiki to share design information and a mailing list for technical support and discussion. Working closely with Jameco, an electronics part distributor, I developed a kit for them to sell. Although I have not contributed to the project in over two years, it has taken on a life of its own thanks to the power of MediaWiki and an active mailing list of over 500 members.
- Was team leader for the Electronic Traction Control team on the OSU Mini-Baja for my Senior Design Project. I designed, built, and tested all of the circuitry and wrote up the software specification for the control and driver software. This project was sponsored by Mentor Graphics and our team placed 2nd overall against 70 other universities.

Experience:

Degree: BS in EECS from Oregon State University – Graduated with a 3.15 GPA

Languages: QBasic, Visual Basic, PBasic, C, PIC and AVR assembly, Java, Matlab script, and JavaScript