Eric Moser

Electrical Engineer

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Experienced Electrical Engineer with 5 years of demonstrated history of working in the electrical and electronic manufacturing industry. Strong Embedded Systems Software Design, Development and Testing experience. Skilled engineering professional with a Bachelor's degree in Electrical Engineering from Milwaukee School of Engineering.

Summary of Experience_____

- **Design Experience** - Created software flowcharts, state machine diagrams and full design specifications of products.
- **Development Experience -** Written C/C++ microcontroller firmware for complex projects bare metal and RTOS.
- **Testing Experience -** Created C++/Python unit and integration testing scripts within automated build environments.
- **Agile Experience -** Worked on multiple teams which had implemented Agile software development practices.
- **Version Control** - Experience with multiple version control software systems including Git and ClearCase.
- **Hardware Experience -** Proficient with 8/16/32bit Atmel, PIC, Infineon, STM, ESP and TI microcontrollers.
- **Communication Skills -** Worked directly with development engineers across multiple disciplines with fast deadlines.
- **Secondary Skills -** Completed projects using Windows Software Development and Website Development.

Education_____

Milwaukee School of Engineering, Milwaukee WI   Feb. 2015
- Bachelor's of Science in Electrical Engineering

Employment History_____

Freelance
Website Development and IT Consulting   2020 to 2021 (approx. 1 year)
- Learned to create professional websites and put skills to work freelancing during the pandemic.
- Developed a website for a small business and later helped them with upgrading and maintaining their IT Systems.

Magnetek - Menomonee Falls, WI
Software Engineer   Jan 2018 to June 2019 (approx. 1.5 years)
- Design - Developed a technical specification of the next generation Industrial DC Magnet Controller.
- Development - Lead the firmware development of the Industrial DC Magnet Controller in Embedded C.
- Testing - Performed extensive debugging throughout the design process to ensure the product met the specification.
- Windows Dev - Created a program in C#/WPF with .NET framework to flash a developed DC drive with firmware.

Rockwell Automation - Mequon, WI
Firmware Engineer (Contract)   May 2015 to Aug 2017 (approx. 2 years)
- Development - Wrote C++ firmware as a member of the data structure team for the PowerFlex AC Motor Drive.
- Unit Testing - Wrote C++/Python unit tests for developed C++ firmware within an automated build environment.
- Integration Testing - Created complex scripts to test the functionality of multiple software systems working together.
- Training - Taught a newly created scrum team how to successfully unit test developed C++ firmware.

Kohler Co. - Kohler, WI
Electrical Engineering Intern   January 2014 to May 2015 (approx. 1.5 years)
- Testing - Co-headed functional testing of the DTV+ advanced shower system with the creation of a formal test plan.
- Defect Tracking - Identified and recorded all discovered product software defects into bug tracking software.
- Lab Assignments - Assisted in hardware development and modification within an engineering lab.
- EMC Testing - Supervised emission testing of DTV+ touchscreen interface at an EMC facility.