

# Eric Faehnrich

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## Employment:

### **Staff Software Developer, Paragon Consulting Inc., Cleveland, Ohio:**

April 2014 – Present

- Work with clients to gather requirements and create specifications
- Develop features according to the specifications

### **Software Developer, Explorys, Cleveland, Ohio:**

February 2013 – April 2014

- Design and develop Web applications and RESTful services through the full product development life cycle from specifications, to QA testing, through product integration

### **Software Developer, Philips Medical, Cleveland, Ohio:**

2010 – February 2013

- Test framework for CT scanner image reconstruction software allowing the tester to define test scenarios and generate documentation to trace the test to requirements using a CT scanner simulator to simulate sending scan data to the image reconstruction software
- Refactor the automated merge and test utility to incorporate the new test framework

### **Software Engineer, Lockheed Martin, Cleveland, Ohio:**

2006 – 2010

- Developed C++ for multi-core computers running embedded POSIX operating systems to perform real-time radar simulation signal processing calculations. Contributions include initial high level design by defining software modules, interfaces, and pseudo code, implementation of software modules, and creating software test plans, unit tests, and VHDL testbenches, optimized radar simulation algorithms
- Embedded software drivers for Serial Peripheral Interface (SPI) devices
- Utility to program and verify EEPROMs of PCI cards
- Application for filtering mission scenario files
- Suite of test applications for testing the interface ports of operational subassembly hardware
- Software for automated configuration and testing of wireless switches and flight computers

### **Cooperative Education Engineer, Diebold, Inc., North Canton, Ohio:**

2004 – 2006

- Integration testing procedures and documentation of interface frameworks, libraries, diagnostic, support, and test tools
- Demonstration software functional and design specifications, test procedures and description
- Research into fragmentation of hard drives and the effect it had on transaction times

## Education:

Bachelor of Science in Computer Engineering

The University of Akron, Ohio

Date of Graduation: 2006