

Derek L. Kropp  
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## **PROFESSIONAL EXPERIENCE**

Instrumentation Engineer June 1997 to present  
Naval Air Warfare Center Aircraft Division, Patuxent River, MD  
Air Combat Environment Test and Evaluation Facility

- Lead a team of 6 instrumentation engineers
- Gather and analyze requirements, prepare estimates, plan for and manage team workload
- Design, develop, test and document real-time display and processing software and post-test processing software
- Perform configuration management of instrumentation hardware and databases

Branch Manager April 2002 to November 2002  
Naval Air Warfare Center Aircraft Division, Patuxent River, MD  
Air Combat Environment Test and Evaluation Facility

- Supervised a branch of 25 people during a 6-month rotational assignment
- Performed recruiting, hiring, and firing
- Conducted employee performance appraisals, made promotion decisions, and oversaw training needs
- Managed a million dollar budget

Test Requirements and Analysis Engineer June 1993 to June 1997  
McDonnell Douglas, P.O. Box 516, St. Louis, MO, 63031  
Flight Test Engineering

- Responsible for flight test data quality, real-time data processing, and post flight calculations
- Constructed calculation routines, analyzed and tested new processing tools, processed and reviewed flight data
- Assisted in defining telemetry requirements and configuring the ground station before each flight
- Supported real-time and post flight data processing in the field including onboard an aircraft carrier

## **TECHNICAL SKILLS**

- Programming languages: Proficient in C and C++, familiar with Java, and originally a FORTRAN programmer.
- Operating systems: User of and capable of basic system administration for Linux, IRIX, Solaris and MS Windows operating systems
- Very experienced in MIL-STD-1553 data bus analysis and simulation
- Tools: Qt Graphical User Interface Toolkit, Concurrent Version System (CVS), phpWiki, HTML

## **EDUCATION**

M.S. In Computer Information Systems April 2002  
Florida Institute of Technology, Melbourne, FL GPA 4.0/4.0

B.S.E. in Aerospace Engineering, Minor in Mathematics May 1993  
Virginia Polytechnic Institute and State University, Blacksburg, VA GPA 3.29/4.0

## **HONORS, AWARDS, ACCOMPLISHMENTS**

- Wrote and presented a technical paper at an ITEA Workshop in 2002
- National Merit Scholar
- Company Commander, Virginia Tech Corps of Cadets(4 yrs of Leadership Training)

References Available upon request