**Dana Richard Rink**

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Email: danarink@hotmail.com (620) 272-1883

**Expertise**

* Systems Engineering Process
* Electro-Optics
* Solid State LADAR
* System Field Testing
* Real Time Simulation Software
* Object Oriented Design and Programming.
* SQL Database Applications.
* Web Design.
* Computer Network Administration

**Software Languages**: C++/C, Java, Python, Perl, HTML, XML, OpenGL, FORTRAN, Pascal

Mr. Rink is a Systems Engineer and an experienced programmer. He is skilled at determining systems requirements, flowing those requirements down to a design, and then implementing that design, while continuing to manage the requirements to meet the customer’s needs.

##### **Project History:**

* Project Engineer for a R&D effort to design and build a laser radar (LADAR), the Demonstration of Advanced Solid State LADAR (DASSL) Program.
* Integrated a LADAR into the Low Cost Targeting System (LCTS) and performed field testing of the system at MICOM for the U.S. Army.
* Assembled, integrated, and flight tested a LADAR under the Submunition Guidance Program and LOCAAS Program for the U.S Army and U.S. Air Force.
* Object Oriented Design and Programming for GPS based navigation systems.
* Developed real time simulation software in C for the Navy’s TOPSCENE system, a 3D mission rehearsal system with photo realistic imagery.
* Developed real time simulation software for the Hardware-In-The-Loop (HWIL) simulation on the Kinetic Energy Missile program.
* Developed an optical off-axis rejection model for the Anti-Satellite (ASAT) missile program.
* Developed SQL database server applications in both Perl and Java for internet enabled appliances.
* Developed configuration utilities for internet enabled appliances and radios in Visual C++.
* Setup and administered a Linux web server hosting Apache, PHP, Perl, Tomcat(Java), and MySQL.
* Developed software for Red Orchestra, a First Person Shooter online multiplayer game.
* Computer Network Administrator for Timothy A Hanigan,DDS.

##### **Education:**

1986 BS Physics - University of New Mexico (Full Academic Scholarship)

2011 CSE 598: Software Analysis and Design - Arizona State University

2017 CSE 561: Modeling/Simulation Theory/App

2017 CSE 565: Software Verif/Validation/Test

##### **Employment History:**

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| --- | --- | --- |
| 2017-present | Graduate School - ASU | Student |
| 2012-2017  | The Bike Rack, Inc. | Manager |
| 2005-2012  | Joanne D. Rink, MD LLC | Practice Manager |
| 2004 | Red Orchestra  | Software Engineer |
| 1999 -2001  | World Wireless Communications, Inc. | Software Engineer |
| 1997 -1999 | Allied Signal | Software Engineer |
| 1995 -1997 | Texas Instruments Defense Systems  | Systems Engineer |
| 1987-1995 | LORAL Vought Systems | Systems Engineer |