

# MATTHEW B. WINKEL

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## PROFESSIONAL OBJECTIVES

Return to work as a C++ **Software Engineer** performing a variety of maintenance, CM, or QA tasks and branch out into Java or development; perhaps explore **Web design and development**

## TECHNICAL EXPERIENCE

- C++, C, makefiles, cvd debugger, Java, shell scripts, regular expressions; ClearCase, Remedy, ClearQuest, ClearDDTS; has used IRIX/Linux/KDE, Windows Vista/XP/95, Microsoft Office 2007; some FORTRAN, Perl

## PROFESSIONAL EXPERIENCE

[Northrop Grumman](#) – June 2001 – March 2007

**Software Engineer II**, DIAMOND program, SP project, O&M

Unofficial **Six Sigma Green Belt**

- **Security clearance:** [pending] SSBI, ~~SGI access~~, ~~CI poly~~ [Secret level, thru APEX Systems]
- Most recently worked problem reports from various subsystems in C, C++, and Java software maintenance
  - Mostly medium severity, some higher
  - Mostly interactive tools
- Helped manually merge Java code from HP project
- Served as a maintenance coordination desk operator
- Served as a software maintenance liaison at an operational site
- The SP and HP programs are large data processing systems containing approximately 1 million lines of C++ code. They are required to process and store terabytes of data collected from multiple locations over a WAN. They integrate a combination of COTS and customer software onto a distributed set of UNIX servers and workstations

[TRW](#) – Aurora, CO – March 2001 - June 2001

DIAMOND program, SP project, Development

- Worked problem reports in C++ common software development

[TRW](#) – Aurora, CO – June 1999 (received clearance in August) - March 2001

DIAMOND program, HP project, Development

- Part of a small team porting a large database system from an SGI platform (SP project) to a Sun platform (HP project) – assisted in making code changes and wrote scripts to automate porting tasks; also helped modify the system to suit the HP project

## EDUCATION

Certificate of Completion (2008.06.14) from a Continuing Education course in Web Design and Development at the [Art Institute of Colorado](#), Denver

- Photoshop, Fireworks, Dreamweaver, Flash; created <http://www.LurchQuarters.info>

BSc, Mathematical & Computer Sciences, [Colorado School of Mines](#), Golden; on dean's list one of eight semesters and summer field session; on honor roll remaining seven semesters

## LANGUAGES

English, Spanish (conversational), Japanese (basic)