# GLEN L. HEIN

11926 W. Madison Avenue Avondale, Arizona 85323 (602) 705-7497 ghein@azcoppersoft.com

#### JOB OBJECTIVE

To secure a position with your company where my education and professional experience can be utilized in the development of IT solutions.

### EDUCATION

University of Nevada; Las Vegas (Las Vegas, Nevada) Bachelor of Science, Computer Science, August 1993 to December 1996 Emphasis on computer graphics, image processing with extra course work in mathematics and physics.

Glendale Community College (Glendale, Arizona) University Core Requirements, January 1990 to December 1992

### EXPERIENCE

Senior Software Engineer	Limelight Networks	Nov. 2005–Sep. 2011
	Tempe, AZ	

Developed the Redirector (Perl,C++) system to help customers bridge their legacy systems with the LLNW CDN, and to provide access control to HTTP objects based on an end-user's physical location. Member of Team Data, which is developing a replacement log processing system using Hadoop Map/Reduce at its core. I developed the Landing Pad (Java) component, which aggregates edge log files into larger files for storing on HDFS.

Software Engineer	Whitehat.com	Oct. 2000–Nov. 2005
	Tempe, AZ	

Member of a small team of programmers that designed and implemented a highly configurable and flexible bulk emailing system in PHP with an Oracle DB. As the only remaining team member, I am responsible for all maintenance and interaction with staff and management.

Design and implement Project Add-A-Name for optimizing the expense of a large postal mailing through the United States Postal Service. Tasks included researching postal regulations, writing a 60+ page business/application logic document, creating a static business/application model and coding the implementation in C++.

Design, implement and document Project IT System, a framework of Perl for automating, scheduling and reporting of data processing tools on a server farm. Project size: 130 pages of Perl, 80 pages of documentation (User Guide and Developer Guide)

Visitalk Phoenix, AZ Feb. 2000–Oct. 2000

Co-designed and implemented the Push System in C++ on Solaris and Linux.

Designed and implemented the multithreaded Simple Persistent Transport Protocol in C++ on Linux.

Co-implemented the Distributed Online System and the Total Online Database Service in PHP with Oracle and mySQL databases on Linux.

Software Engineer	iTravelPartners, Inc.	Mar. 1998–Feb. 2000
	Las Vegas, NV	

Designed and implemented C/C++ solutions on Solaris and Irix for e-commerce applications. Emphasis on use of object oriented programming and design patterns.

Research Programmer	Compress Tech, Inc.	Dec. 1996–Jan. 1998
	Las Vegas, NV	

Solely responsible for creating and implementing software solutions for image compression problems utilizing Wavelet and DCT algorithms in ANSI C. This included compression, decompression and Netscape Plug-in software. The Wavelet and DCT mathematics were created by Dr. Evangelo A. Yfantis.

Research Programmer	Dr. Evangelo A. Yfantis	Sept. 1994–Dec. 1996
	Las Vegas, NV	

Create software solutions for image compression problems utilizing Wavelet and DCT algorithms in ANSI C.

Create geospatial visualization software on an SGI Onyx using OpenGL. The purpose of this application was to display geological data in a 3D format the could be rotated and split open in real-time.

## COMPUTER SKILLS

Current Languages: Java, Perl, C, C++, C# (minimal), Bash Past Languages: Assembly, Pascal, PHP Extensive use of Linux (since kernel version 0.99) and FreeBSD.

### HONORS AND AWARDS

NNEMS Fellowship (U.S. Environmental Protection Agency) (while working with Dr. Yfantis at UNLV)