

Summary of Qualifications

Broad-based experience and abilities in the following areas:

Project Management

- ◆ Team Leader
- ◆ Training and Development
- ◆ Business and Technical Writing
- ◆ International Client Liaison
- ◆ Product Evaluations
- ◆ Product Design
- ◆ Customer/User Technical Support
- ◆ Marketing/Trade Shows

Software Development

- ◆ Object Oriented Design
- ◆ GUI (Graphical User Interface) Design
- ◆ API (Application Programming Interface) Design
- ◆ User Documentation

Profile

Over 16 years of programming and technical experience, specializing in user interfaces. Excellent writing, editing, communication and interpersonal skills.

Career Highlights

- ◆ Managed development of trading system for Japanese client. Interfaced with client to assess system requirements and determine schedule for software releases. Performed code reviews to ensure accuracy of system.
- ◆ Created numerous Active X GUI components and utilities for a US equities trading system. Worked with a team of developers to ensure that all components interfaced correctly with one another.
- ◆ Designed and developed API toolkit functions/classes for formatting and parsing financial trading data.
- ◆ Created a C++ “wizard” to generate user-specified code for software components complying with a custom interface.
- ◆ Interfaced with vendors and clients to support the integration of our software products with third party hardware/software and customer systems. Established configuration requirements, wrote shell scripts, performed troubleshooting and documented procedures for installing and running our software in a variety of hardware and software environments.
- ◆ Worked with the marketing department to produce user documentation and marketing literature. Participated in technical setup and product presentations at trade shows.
- ◆ Performed knowledge engineering, testing, and training in the development of a Yellow Pages pagination expert system. Codified rules for laying out listings and advertisements as gleaned from manual process.
- ◆ Developed and coded algorithms for technical graphics features in a desktop publishing system that interfaced directly with phototypesetters. Wrote microcode to speed up drawing of certain components.

Computer Languages/Platforms

Java/Swing, Visual C++/MFC/ActiveX, Windows NT/2000, Servlets, JSP, HTML, C, UNIX, X Windows

Experience

SOFTMARK, INC, Jersey City, NJ

Software Development Manager, April 2020 to January 2023

Performed requirements analysis, wrote functional specifications for, and co-developed a web based VWAP trading system administrator front end, enabling the management of firms, users, products, orders, and other system features.

Managed the development of the Japanese Softmark Trading System graphical user interface (GUI), written in Java. The Softmark Trading System (OTS) was a trade order execution system that provided anonymity and non-disclosure, as well as the ability to specify a range of sizes and prices at which the user was willing to trade (so-called profiles), allowing for reduced market impact costs and the possibility of price improvement.

Interfaced with a Japanese technical group to prepare requirements specifications and provide coding time estimates. Oversaw a team of developers and test engineers who successfully delivered the initial release of the system on time and according to specifications. Provided training and support to junior programmers and verified their code. Continued to produce subsequent maintenance and enhancement releases of the system.

Senior Software Developer, February 2018 to March 2020

Designed, implemented, and documented the following components of an ActiveX GUI for a U.S. equities version of the Softmark Trading System:

- ActiveX-compliant Property Pages architecture for use by other components in the system.
- Static library of utility functions for registering and categorizing ActiveX controls.
- ActiveX Property Page for viewing and modifying symbol interest lists.
- ActiveX control for displaying fills as trades are executed, in a variety of tabular and chart formats, with filtering capability to display fills for various subsets of a user's orders.
- ActiveX control to uniformly display all system messages in real time.
- Trade order file import/export utility.
- ActiveX control for logging/displaying system and error messages.
- ActiveX control enabling a user to define his own format for importing and exporting profiles. The saved files were dynamically recognized by the system, allowing the user to select their new custom format for import/export. Wrote a general parsing algorithm to parse profiles according to the specified format.

MARKET RESEARCH CORPORATION, New York, NY

Software Engineer, November 2013 to February 2018

- Developed a Visual C++/ActiveX component-based implementation of "Athena," the company's industry standard real-time market data charting package. Designed the interfaces that would allow incoming data from one or more sources to be passed through a user-specified calculator and then output to a drawing component to plot the results.
- Created a generic calculator template and wrote a Visual C++ Wizard to generate new calculators using that template, replacing marked code with user-specified names and generated GUIDS.

- Designed and implemented, in C, financial data formatting and parsing functions as well as fundamental data formatting functions in developer's API toolkit for internal and customer use. Wrote data formatting classes with serialization support in C++/MFC for PC trading applications.
- Maintained and made major enhancements to a UNIX/C/XView real-time financial quote display application. These included individual page buttons, page-specific fonts, bleed-through stippling of data upon detection of feed dead status, fundamental data display window with user-specified fonts and colors, and GUI for user specification of data formatting at various levels of granularity.

Technical Support Representative, October 2010 - October 2013

- Provided technical support and system administration at customer sites and in-house for the delivery and operation of company's financial software products on UNIX and Windows platforms. This involved writing scripts, establishing TCP/IP connectivity, specifying X display configuration, configuring PPP software and modems, troubleshooting problems, and documenting procedures for others to follow.
- Created a multimedia slide and text demonstration program of company products, and edited documentation, marketing literature and advertising copy. Performed setup and maintenance of systems during trade shows and demonstrated software to prospective customers.

BROOKLYN UNION GAS COMPANY, Brooklyn, NY

Systems Analyst, December 2009 to October 2010

Evaluated candidate applications for expert systems development and wrote problem analyses and project proposals.

NYNEX INFORMATION RESOURCES COMPANY, New York, NY

Systems Analyst, November 2006 to November 2009

Participated in the design and development of an expert system, written in LISP, to automate "Yellow Pages" pagination and layout, primarily in the capacities of knowledge engineer, tester, and trainer.

GRAPHIX, East Hanover, NJ

Programmer Analyst, February 2006 to November 2006

Designed, coded, and integrated graphics enhancements into a desktop publishing system in Pascal.

NCR CORPORATION, Ithaca, NY

Programmer Analyst, July 2005 to November 2005

Customized hospital patient information system to user specifications.

Education

Columbia University School of Engineering and Applied Science, New York, NY

Bachelor of Science in Computer Science, May 2004