

Philip Weinstein  
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## POSITION

Software Engineer

## SOFTWARE DEVELOPMENT HIGHLIGHTS

- Long time experience in object oriented software development in large scientific and commercial graphical applications.
- Real time microprocessor- and PC-based control and communication applications.
- Extensive recent experience in C++ development with Qt.
- Professional experience with C, Python, XML (DOM/SAX/XSLT), Flex/Bison, Pascal, OS/2, PL/SQL, PL/M, Unix and Windows development, Intel assembly language.
- ... Tools: Visual Studio, Dreamweaver, Photoshop, CVS, Git.
- Sun Certified Programmer for the Java 2 Platform (1999)
- Taught "Object Oriented Programming in C++," credit course at Ulster County CC (NY, 1997).

## EDUCATION

- B.A. Computer Science and Math (double major), Potsdam College (SUNY), NY, 1984
- Additional Engineering Science and Electrical Engineering courses (14 credits), Bridgeport Engineering Institute (CT, 1985-86).
- Java and OO development coursework at CU Boulder Continuing Education, five courses, 1999.

## PROFESSIONAL EXPERIENCE

**CADSWES** (Center for Advanced Decision Support for Water and Environmental Systems), University of Colorado, Boulder ... **2000-Present (2017)**, Software Engineer, Long term development of the RiverWare water basin modeling system.

- Graphical user interface and data model support for RiverWare's broad set of modeling and analysis features, including a spreadsheet view of series data (the RiverWare "SCT") supporting time aggregation features and user annotations.
- Interactive graphical object workspace canvas development; RiverWare's plotting system; "output canvas" time-animation graphics; HTML model report generation features; New feature dev. analysis.

XML Technologies and Applications with Python ... **2000**, Jan-July, Forethought, Inc. Boulder CO

Scientific Graphics Application with X/Motif ... Development of a graphical geologic application (Geosec) using structural geological techniques for cross-section construction ... **1997-1999** Paradigm Geophysical, Boulder ... **1990-1993** CogniSeis Dev., Boulder ... **1987-1990** Geo-Logic Systems, New Paltz, NY and Boulder.

Database Applications, X/Motif, Oracle, PL/SQL ... **1996-1997**, Credit Data Rep. Services, Kingston, NY.

Distributed Real-Time Revenue Collection & Auditing Systems with OS/2, Presentation Manager, Windows and Oracle ... **1993-1996**, The Revenue Markets, Inc. (Toll collection systems), Accord, NY.

Embedded Control and Communication Applications ... Intel Microprocessor-based systems ... **1979-1987**, Micrognosis, Inc. Danbury CT.

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