

SEAN MOIR
24 Cypress Lane
Berwyn, PA 19312
(610.348.1238)
moirs@comcast.net

OBJECTIVE

Design and develop GIS mapping products for clients in business, government, education, and non-profit industries

SUMMARY

Over ten years of **Project Management**

Ten years' experience with **ArcGIS** with ArcView, ArcMap, and ArcCatalog

Eight years' experience with **Adobe Flash** Development

Eight years' experience with **Digital Humanities** applications

Managed four **ABPP** RevWar Battle grant projects since 2009

Eight years' experience with **historic research**

Eight years' experience **public speaking** on RevWar topics

Over twenty years' experience in full **Software Development Life Cycle** (SDLC)

Over twenty years' experience with **Object Oriented** design and development

Over ten years' experience with **Oracle** and relational database design

Two years' experience with **Java programming** (J2EE, Java Script, HTML, and XML)

Four years' experience in **PowerBuilder** software development running on **Oracle, Sybase, Informix, and MS SQL Server** Databases

PROFESSIONAL EXPERIENCE

President

Western Heritage Mapping

www.WesternHeritageMapping.org

Valley Forge, PA

January 2011 – Present

Wrote successful grant application and **managed** American Battlefield Protection Program (ABPP) project to nominate the Paoli Battlefield as a National Historic Landmark.

Developed suite of War of 1812 **animated maps** for the Maryland Military Historical Society to celebrate the Bicentennial of the Battle of Baltimore and Bladensburg.

Developed animated map for the Battle of **Germantown** which is on exhibit at Cliveden.

Developed animated map of the New Sweden settlement on the Delaware River which was put on exhibit at the American Swedish Historical Museum in Philadelphia.

Worked with Tredyffrin Township to upgrade their **municipal GIS** sewer system so that it could be **integrated** with CUES GraniteXP software.

Made multiple presentations around the Philadelphia region talking about various mapping projects.

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GIS Analyst
County of Chester
West Chester, PA

May 2007 – January 2014

Project Manager for a number of **Animated Map** and **Historic Atlas** projects, including the Brandywine Battlefield, the Paoli Battlefield, and the Battle of the Clouds.

Performed **KOCSA** military terrain analysis and battlefield mapping for the Battles of Brandywine, Paoli, and the Clouds. Developed map of **Defining Features** for three battles.

Designed and implemented **animated** map technology using a combination of ESRI GIS products, Adobe Flash, and ActionScript - Object Oriented Programming.

Wrote three **successful grant applications** to fund battlefield projects from the American Battlefield Protection Program (ABPP) – a department of the National Park Service.

GIS Analyst working with various County departments such as Information Systems, Parks and Assessment on a number of mapping projects for municipalities, school districts, and non-profits.

Software Developer
Vastera
West Chester, PA

December 1993 – April 2003

One of founding developers in publicly traded software company. Responsible for developing Global Trade Management application solutions for multinational companies such as Ford, Nortel, Motorola, and Microsoft Corporation.

Later versions of this application were written using **Java**. Previous versions used **Forte** (an object oriented application development tool), **PowerBuilder** and **PL/SQL**.

Application databases have included **Oracle**, **Sybase**, **MS SQLServer**, and **Informix** running on various MS and **Unix** operating systems.

Simultaneously developed new applications while supporting and advising on existing applications. Involved in full life cycle development, including Design, Implementation, Testing, Technical and User On-Site Training, Documentation, Customer Support, Installation and Customization of the Application.

Prepared technical design documents from functional specifications. Spent one year as Project Manager for Customization and New Development within the Application. Performed **Oracle DBA** functions.

Software Developer
Alphatech Corporation
Washington, DC

January 1993 - December 1993

Programmer/Analyst responsible for analysis, design and implementation of database systems at the Federal Emergency Management Agency (**FEMA**) using **Oracle RDBMS** with **SQL*Plus**, **PRO*COBOL** and **SQL*Forms** interfaces on a **Wang VS** platform.

Analyzed existing **Wang COBOL** systems (financial and personnel applications) to prepare for and build interim migration applications between the existing systems and **Oracle**. Participated in data modeling of migration-bridge applications with **ORACLE CASE**. Assisted in the training of agency personnel. Wrote and executed system test plans. Built **SQL*Forms** applications with User Exits for interactive processing of data.

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Programmer
AON Corporation
Conshohocken, PA

December 1987 - December 1992

Developed and maintained an extensive suite of Employee Benefit calculation and report programs in a variety of languages and software. Developed and provided technical support for 401k Processing System written in Fortran and dBase to be run by non-technical users for various large clients.

Designed and developed Employee Benefit Statements system using ORACLE RDBMS, Pro*C, SQL*Loader, and SQL*Plus on OS/2 and Novell Netware LAN Platforms. Designed and developed Pension Projector system using C/C++ for Microsoft Windows platform.

COMPUTER SOFTWARE AND HARDWARE EXPERIENCE

GIS

ArcGIS 10, ArcGIS 9, ArcView, ArcMap, ArcSDE, ArcCatalog, GeoPDF, CUES GraniteXP, GoogleMaps, Python for ArcGIS, Trimble GPS units, ArcGIS Online

Multimedia Animation / Web

Adobe Flash, WordPress, XML, HTML5

Programming Languages

Java, C/C++, PRO*C, LISP, Forte, Pascal, Fortran, PRO*COBOL, BASIC, PL/SQL, PL/I, Visual Basic, Adobe ActionScript

Data Base Management Systems / CASE Tools

ORACLE 5,6,7,8, SYBASE 4.9, SYBASE SYSTEM 10, dbase, Erwin, 1022, MS SQLServer, INFORMIX, Watcom, ORACLE Case, SQL*Forms

Systems and Operating Systems

Windows 3.11 to Windows 10, UNIX, VMS, MS/DOS, VMS, DEC 20, Wang VS

EDUCATION

Bachelor of Science in Computer Science, The Pennsylvania State University, 1987
Minors in Mathematics and Psychology

PROFESSIONAL DEVELOPMENT

Emergency Substitute Teaching Permit for Delaware County Intermediate Unit – August 2017
Community Planning and Zoning Certificates from PA Municipal Planning Education Institute – March 2017
HTML5, Delaware County Community College – July 2015
Google Sketchup, Microdesk Training, Philadelphia, PA – May 2011
Introduction to ArcGIS I, ESRI training course, Chesterbrook, PA – September 2006

COMMUNITY SERVICE

Tredyffrin Township Supervisor (elected position)	2016 - Present
Patriots Path Task Force, Chairman	2015 - Present
Chester County Long Term Recovery Committee	2014 - Present
Tredyffrin Township Park and Recreation Board, Chairman (2011-12)	2005 – 2015
Church Council member at St. Luke Lutheran Church, Devon, PA	2010 - 2011
Tredyffrin Sidewalk, Trails and Path Committee, Founding Chairman	2005 - 2013
Tredyffrin Environmental Advisory Council (EAC)	2004 - 2005
Chairman of Social Ministries at St. Luke Lutheran Church, Devon, PA	2004 – 2010
Tredyffrin Township Information Technology Committee	2003 – 2005
Sunday School Teacher, St. Luke Lutheran Church, Devon, PA	2009 – 2014