



## David Horner

a brain that thinks.

Fort Wayne, Indiana (Fort Wayne, Indiana Area) | Computer Software

**Current** Senior Configuration Engineer at MorphoTrust™ USA

**Past** Independent Software Consultant at TecDev, LLC  
Advanced Imaging Consultant at Moxie Creative / Observera  
Senior Software Engineer at Medical Informatics Engineering  
see all

**Education** Indiana University-Purdue University at Fort Wayne

**Recommendations** 1 person has recommended David

**Connections** 87 connections

**Websites** Personal Website

### David Horner's Summary

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The human species has an uncanny ability to analyse and comprehend complex realities. Modeling abstractions consciously and subconsciously of past and future experience to manifest the desired outcome. A biochemical workhorse. The original quantum computer. 86bn neurons, weighing 3lbs, 80% water, and just 2% of the total human body.

- the brain is the sum of my experience...and it is talking directly to you.
- this brain is looking for interesting problems to solve.
- do you have any problems that require technical solutions?
- my preference is telecomputing with physical presence as requested. (I'm flexible)
- relocation is possible, given a firm multi-year commitment with excellent compensation.

I enjoy working together with other people to accomplish great things.

Specialties: Science, Research, Machine Learning, Math, Computer Vision, Modeling, Simulation, Visualization, Polygot Programmer,C, C++, Java, Perl, Python, Erlang, Haskell, PHP, Ruby, ASM, VBA,ObjC,Perl, Django,Catalyst,Dancer,Mojo,Silverlight, XAML, C#, Vb.NET, WPF, WCF, Work Flow, Microcontrollers,Atmel,Pic,Stellaris,msp430, arduino, Hardware Design, Altera, Xilinx, VHDL, Verilog, Circuit Design and Troubleshooting, Database Technology, SQL, MySQL, MSSQL, T-SQL, Oracle, GIS, Geospatial Technology, Remote Sensing, OSSIM, C++ Boost, C++ Std Library, algorithms, OpenCV, Statistics, R Project, Static Security Analysis, CVS, SVN, GIT, HG, Visual Studio,Xcode,Vim,emacs, Windows, MacOSX, Linux, AIX, SCO Unix, Sun, Solaris, Map Reduce,NoSQL,MongoDB, Node.JS, Javascript,JQuery, Twitter Bootstrap, Music, Ukulele, Bass Guitar, Drums, Keyboard

Social: <https://plus.google.com/105725977711317285348/posts> <https://twitter.com/davehorner>

### David Horner's Experience

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#### Senior Configuration Engineer

## **MorphoTrust™ USA**

Privately Held; 1001-5000 employees; Security and Investigations industry  
January 2010 – Present (3 years 8 months) | Fort Wayne, Indiana Area

- Responsible for all custom programming required within the group. Including maintenance and extension of the internally developed build automation, release management, and notification systems.
- Help maintain and secure the intellectual property within the company; ticket tracking, source control, security scanning, release management, bill of materials, licensing.
- Key contributor to automated source code analysis efforts within organization. Help in the identification, remediation, and tracking of OWASP and other software security issues. Familiar with security tools like Coverity, HP Fortify Software Security Center Server (Fortify 360, RATS), Insure++.
- Serve role as release engineer; helping to ensure that projects are building, versioned, complying with company standards, and the proper information is tracked. Available to help developers, project managers, and management understand the information and systems within CM control. Field a wide variety of database, testing, and development issues should anything go wrong in the process.
- Help develop CM documentation, tests, build procedures, backup plans, installers, and specifications for any new technology that arises and becomes prevalent within the company.

## **Independent Software Consultant**

### **TecDev, LLC**

December 2006 – January 2010 (3 years 2 months)

- Independent software development consulting  
Supporting clients in a diverse range of fields. transportation, medical, e-commerce, GIS

## **Advanced Imaging Consultant**

### **Moxie Creative / Observera**

February 2004 – December 2006 (2 years 11 months)

- Designed and developed a realtime video mosaic generation product for use in government GIS systems.
- Developed custom DirectShow filters for video manipulation.
- Utilized OpenGL and real time shaders for high performance display and parallel computation.
- Developed a sensor model-based autonomous registration tool utilizing OSSIM, OpenCV, Intel IPP, C++, wxWidgets, OpenGL, and custom correlation and optimization routines.

## **Senior Software Engineer**

### **Medical Informatics Engineering**

Privately Held; 51-200 employees; Information Technology and Services industry  
2000 – 2004 (4 years)

- Contributor to complete life cycle of an electronic medical record and document management system.
- Wrote high speed document scanning and indexing solution utilizing ISIS and TWAIN scanners.
- Designed imaging libraries for optical mark recognition as well as barcode generation and detection.
- Developed a computerized dictation system using a web interface, COM components, and telephony backend.
- Developed a complete medical transcription system (C++, MFC, COM, Linux, Windows, XML, Automation).
- Coded device drivers and software for multiple hardware devices.
- Managed and mentored two to three software engineers at a time.

## **President / Developer**

### **Technology Developers Group, LLC**

January 2000 – July 2000 (7 months)

- Incorporated own company to provide software development and technical skills to local companies.
- Managed a team of three employees.
- Developed marketing material and business partners.
- Aided clients with developing, deploying, and supporting web based interfaces to legacy information systems.

## **Software Engineer**

## Medical Informatics Engineering

Privately Held; 51-200 employees; Information Technology and Services industry

July 1997 – January 2000 (2 years 7 months)

- Designed, developed, tested, and supported a web based medical billing package written in C for SCO UNIX.
- Reverse engineered a proprietary ISAM database for middleware database connector.
- Developed multiple mission critical HL7 interfaces to medical data systems.
- Researched, designed, and developed embedded medical applications for data access and synchronization.

## David Horner's Projects

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### **dave.thehorners.com**

1913 to Present

Team Members: David Horner

Yet another perspective on things...

## David Horner's Languages

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- Some Spanish (Elementary proficiency)
- Some Xhosa (Elementary proficiency)
- Son Of English Major (Full professional proficiency)
- Some French (Elementary proficiency)

## David Horner's Skills & Expertise

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Python    Software Development    XML    C#    WCF    Perl    C++    C    Ruby    VTK    ITK    CMake    Scons  
VB.NET    Computer Vision    Embedded Systems    Embedded Software    Embedded C    Embedded Linux  
Embedded Operating Systems    Embedded C++    Linux    AIX    AIX Administration    HP Fortify    Security    Computer Science  
DevOps    Configuration Management    Software Documentation    Fortify    Computer Security    MFC    Intel IPP    wxWidgets  
ActiveX    Telephony    Communication    Research    Medical Diagnostics    Molecular Diagnostics    Bioinformatics    Biotechnology  
HL7    DICOM    Medical Imaging    Transportation Management    COM/XPCOM    Geographic Information Science    GIS systems

[View Fewer Skills](#)

## David Horner's Education

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### **Indiana University-Purdue University at Fort Wayne**

BS, Computer Science

2000 – 2007

*Activities and Societies:* IEEE, ACM

## David Horner's Additional Information

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Websites:                      • [Personal Website](#)

Interests:

random infinity. GödelEscherBach

Groups and  
Associations:

IEEE, ACM



.Net Users of Ft. Wayne



ASCOM Users



Eagle's Nest--Eagle Scout Award Recipients



Fort Wayne Information Technology Professionals



Fort Wayne Web Designers & Developers



Free and Open Source Software Development



Global Software Development Collaboration



IT Specialist - Information Technology Network



IT Specialist Developer Group



Linked.NET Users Group (LIDNUG)



Open Source



SoftwareEngineering



fwPASS - Professional Association for SQL Server - Fort Wayne chapter

Honors and Awards:

Rank of Eagle Scout in the Boy Scouts of America (Order of the Arrow member)

Contact David for:

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View David Horner's full profile to...

- See who you and **David Horner** know in common
- Get introduced to **David Horner**