

David Arthur Horner

711 N Camden Drive • Fort Wayne, IN 46825 • Phone: 260-399-4001 • joboffers@tecdev.com

Objective

To maintain a challenging and rewarding position actively involved with the integration and management of information and computing technologies.

Qualifications

- Seasoned engineer with over a **10 years** of on the job experience.
- Accomplished in managing, developing, and supporting large projects with multiple developers.
- Skilled in many languages including ASM, C, C++, Java, PHP, ASP, C#, VB, VB .NET, VBA, and more.
- Comfortable with hardware description languages(VHDL, Verilog) and digital circuit design using FPGAs.
- Expert in ActiveX, COM, XPCOM technologies. ATL, WTL, Win32, and Automation services
- Achieved expertise in many platforms including Windows, Linux, Mac, NT, and many flavors of Unix.
- Proficient and skilled in database design and optimization. [MSSQL, MySQL, Oracle, DB2, CTree (SQL,ISAM)].
- Well acquainted with networking protocols, routers, and switches.(Cisco, Eastern Research, IpTables, IpChains)
- Experienced with telephony technologies (Circuits, PBXs, IVR, soft switches, custom telephony programming).
- Knowledgeable about embedded application development and digital circuit design.
- Skilled in the integration of software and hardware (device drivers, software interfacing, and development).
- Talented and experienced in writing and developing product literature and documentation.
- Known for outstanding teamwork and mentoring abilities.
- Exceptional oral and written communication skills.

Experience

- | | | |
|---|---|-------------------|
| Chief Scientist – CEO | <i>TecDev, LLC</i> | 12/2006 – present |
| • Independent software development consulting | | |
| Advanced Imaging Consultant | <i>Moxie Creative / Observera</i> | 2/2004 – 12/2006 |
| • 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 | <i>Medical Informatics Engineering</i> | 7/2000 – 2/2004 |
| • 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 | <i>Technology Developers Group, LLC</i> | 1/2000 – 7/2000 |
| • 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 | <i>Medical Informatics Engineering</i> | 7/1997 – 1/2000 |
| • 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. | | |

Education

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| • BS in Computer Science
Minor in mathematics | <i>Purdue University, Fort Wayne, IN</i> | Spring 2007 |
| • AS in Computer Science | <i>Purdue University, Fort Wayne, IN</i> | Fall 2004 |

(resume is two sided, please flip over for more)

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Affiliations and Honors

- First place in robotics competition at Indiana Purdue University Fort Wayne – 2001
- Intel Recognition Award for my work on facial recognition using backprop neural networks – 2000
- First place in SOMO robotics competition – 1998
- Rank of Eagle Scout in the Boy Scouts of America (Order of the Arrow member)

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