

MATTHEW AMANN

www.amann.ca

416-671-5906

34 Winston Grove, Etobicoke, Ont

matt@amann.ca

PROFILE

- Proven ability to effectively lead key projects and manage team members
- Extensive experience developing applications, middleware and device drivers
- 10+ years experience in technical leadership and development positions
- Graduate of University of Waterloo, Bachelor of Mathematics, Honours Computer Science / Information Systems Option

EXPERIENCE

Smiths Detection, Senior Software Team Lead

Dec 2006 – Present

- Manage the software and firmware development for Radiation detection programs with the US Department of Homeland Security.
- Responsible for managing a diverse team including two Team Leads, firmware and software developers and verification testing.
- Embedded Systems and Instrument Control (SPI, I2C, IPC)
- Scientific Analysis / Graphical Interfaces
- Development platforms include Windows CE 5/6, Windows Desktop variants and UNIX.

ATI Technologies Inc., Senior Engineer

Feb 2005 – Nov 2006

- Lead development of the ATI Remote Wonder family of products (RF USB remote control for the PC).
- Lead development of the ATI Multimedia Center (MMC) TV / PVR application
- Develop ATI Installer for Vista (C++, IPC, design patterns)
- Design and implement Microsoft Vista Media Center extensions (ActiveX, ATL, C++, C#, JavaScript, .NET, XML)
- Create animated 3D special effects for Vista version of Microsoft Movie Maker (C++, Direct3D 9.0, Vertex / Pixel Shader HLSL, XML)
- Develop multimedia demo applications to showcase ATI hardware features
- Responsible for planning, budgeting and negotiating with vendors for executing team building events

ATI Technologies Inc., Engineer

Apr 2001 – Feb 2005

- Architect of award winning Remote Wonder
 - Fully responsible for all phases of software development lifecycle for three generations of devices
 - Negotiated architectural and interface definitions with third party vendors
 - Deployed publicly available SDK for creating Plug-Ins
 - Managed team members during new-feature development

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- Lead Designer in Multimedia Center (MMC) (C/C++/MFC/COM/DirectShow). Major projects included:
 - Closed Captioning decoder and renderer
 - Ability to view content using Video-In (S-Video/Composite)
 - Lead MMC's development for European market. Designed TV Guide, support for European television standards (PAL/SECAM), Teletext decoder and renderer, channel scanning algorithms
 - Managed team members during design implementation
- Architect of analog and digital (HDTV) channel management functionality of MMC
- Project Management success in critical projects including Remote Wonder and HDTV
- Initiated process improvements to increase team success
 - Lead presentations for cross-training team members and Lunch 'N Learn sessions on key architectural areas
 - Introduced engineer driven post-mortems
 - Created design document template, code review standards and OOD guidelines

ATI Technologies Inc., *Associate Engineer*

May 2000 - Apr 2001

- Developed Windows device drivers for display (Radeon graphics cards) and analog capture devices (TV Wonder, All-In-Wonder) (Assembly, C)
- Customized MMC to cover new hardware releases
- Provided timely and effective support for existing products in retail and OEM space

EDUCATION

University of Waterloo

Bachelor of Mathematics, Honours Computer Science / Information Systems Option

Sept 1995 - May 2000