

# Adam Hill : Developer

Innovation, Usability & Design

## STATEMENT

I am a creative and adaptable software engineer with a professional attitude. I have high ideals with regards to quality, and inspire those around me to improve. Applying ideas from research, software literature and emerging practices, I am an informed and reflective practitioner. Escaping the programmer stereotype, I am both artistic and technical, which enables me to make significant contributions to all stages of a project.

## CURRENT STUDY

- **MSc** in Software Development, comprising
  - User Interface Design & Evaluation
  - Object-Oriented Analysis & Design
  - Relational Database Systems
  - Software Requirements Engineering
  - Information Security Management
  - Managing The Software Enterprise
  - Web Systems Integration
  - Project Management

## LANGUAGES

- C# & VB
- XAML
- SQL (SQL Server & Oracle)
- Java
- HTML & CSS
- XML
- UML & OCL
- Python (Beginner)
- Objective-C (Beginner)

## ANALYSIS & DESIGN SKILLS

- Object-Oriented Analysis & Design
- Relational Theory & Database Design
- UX/Interaction Design
- UI Component Design
- UI & Graphic Design
- Dashboard & Data Visualisation Design
- Product Design
- Formal Requirements Engineering

## OBJECTIVE

I am interested in working in a software development context where there is a focus on:

- Internal & External Craftsmanship
- Exceeding User Expectations
- Encouraging Innovation
- Facilitating Experimentation
- Improving Practice

## QUALIFICATIONS & CERTIFICATIONS

- 2011: **MCTS** (Silverlight)
- 2011: **PGCC** (Computing)
- 2005: **PGCE** (Music)
- 2003: **BMus(HONS)/GRAD.RNCM**
- 1999: A-Level Music Technology
- 1998: A-Level Computing
- 1998: A-Level Music (Practical)
- 1998: A-Level Music (Theoretical)

## FRAMEWORKS

- Silverlight
- WPF
- Windows Phone
- SQL Server
- Oracle
- WCF
- ASP.NET
- XNA (Beginner)
- PRISM & MEF (Beginner)

## SUPPORTING SKILLS

- Formal Usability Evaluation
- Project Management
- Code Review
- Prioritisation & Time-Boxing
- Business Process Re-engineering
- User Observation & Field Testing
- Decommissioning
- Teaching



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## EMPLOYMENT



### 2010–Present **Web Developer**

- Robust, elegant end-to-end design & development
- Self-documenting & readable code style
- Scalable & intuitive software designs
- Original, custom charting controls from scratch
- Researched and evaluated platforms & products
- Rapid learning & application of new frameworks
- Scratch-built UI & reporting components
- Effectively managed the delivery of 100+ reports
- Authored & improved COP and SP documents
- Authored popular O2C Blog articles
- Meticulous documentation

## HIGHLIGHTS

- **Invented** a new form of graphics compression
- **Published** a tool for the above as open source
- **Awarded** MCTS in Silverlight scoring 96%
- **Awarded** Postgraduate Certificate in Computing
- **Won** 100% additional development work on a contract through build quality, customer facing requirements engineering & product re-design
- **Overcame** exceptional technical hurdles to produce a functional proof of concept reporting framework which is fully dynamic and extensible without requiring redeployment of deployed .NET applications
- **Published** a popular article on the above on CodeProject.com, receiving over 1,000 views in under 24 hours

## BAE SYSTEMS

### 2007–2010 **Analyst/Programmer**

- UI design, prototyping, implementation & evaluation
- Customer facing, from spec. to decommissioning
- Complex, large-scale Oracle ERP systems
- Application of data visualisation & HCI research
- Detailed documentation & diagramming
- Innovative gadgets and workarounds
- Complex system integration
- PL-SQL & SQL coding & maintenance
- Thorough requirements elicitation
- Business Process Re-engineering
- Risk management & change control

- **Produced** the central deliverable on a multi-million pound technology transfer contract
- **Saved** £10,000s through BPR efficiencies
- **Rescued** various rogue development projects
- **Proven** long-term code stability & flexibility
- **Inspired** other team members to best practice

## PERSONAL QUALITIES

- Innovative, lateral thinker
- Highly adaptive
- Professional
- Honest
- Reliable
- Calm under pressure
- Eager to improve
- Effective communicator
- Enthused attitude

## INTERESTS

- Ex-pro. musician, composer & audio engineer
- Kickboxing
- Badminton
- Computer games
- Typography