

# Curriculum Vitae

Adam Cobb

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## Personal Information –

<b>Name:</b>	Adam Cobb	<b>Date Of Birth:</b>	18/06/1983
<b>Home Address:</b>	<a href="#">Contact me for details</a>		
<b>Home Number:</b>	<a href="#">Contact me for details</a>	<b>Mobile Number:</b>	<a href="#">Contact me for details</a>
<b>Nationality:</b>	British	<b>Driving Licence:</b>	Full / Clean

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## Key Skills –

- ✓ **Development** – I have good working knowledge of a lot of software packages / languages / development environments, including: **C++**, **MS Visual Studio.NET** (particularly ASP.NET & ADO.NET), **Web Services** development, **Rational Clearcase**, Borland C++ Builder, Borland J Builder, **Eclipse**, **Borland Together**, **Java 2 SDK** (including some **J2ME** and **J2EE** knowledge), **SQL**, **Oracle**, **HTML**, various scripting languages, **CSS** and Macromedia Dreamweaver. My work at Siemens also giving me some very good experience in **embedded systems** particularly in **IP Phones** working in embedded development environments such as Wind River's **Tornado** on the **VxWorks** operating system and **Linux/Unix** based systems. I now also have a good knowledge of **SIP** and many other aspects of **VoIP**.
  - ✓ **Agile Processes** – My present employment at Siemens Communications has allowed me to gain further skills in development using agile processes. Putting to practical use all the principles of **Extreme Programming**, **Scrum**, the **Rational Unified Process** and **Test Driven Development** as part of a large team on a very large enterprise scale project.
  - ✓ **Communication** – My employment at Siemens and even Morrison's has greatly improved my communication skills through having to deal with a wide range of people. During my time at university I was introduced to presenting my ideas in front of a group, which has improved my confidence especially
  - ✓ **Team work** – I always work well in team situations, always giving plenty of input and listening to others ideas. I can also work well on my own, as I did on several solo projects undertaken while at university. My team skills can be demonstrated in the fact that I gained high grades in all assignments at university, and all of them were handed in by the specified deadlines.
  - ✓ **Hardworking** – I am a hardworking person, and I tend to be very organised. I like to see problems through to the end and dislike leaving things unfinished. This is particularly true in my current employment, where agile processes are being practiced and work is undertaken in self-managing teams with short two week sprints, which mean being far more disciplined than traditional processes require, starting and completing work in much shorter time periods to high standards. This is something I am very comfortable with and find working in this way natural.
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## Personal Interests –

I have always had a very strong interest in computers and technology most particularly in software development - especially mobile and web application development. This interest led to me undertaking a dissertation in the area of mobile application development. I have also created three websites, one for myself, one for my school and more recently one for a local joinery business, which all built on my organisational skills and helped me get used to working to deadlines. I initially taught myself the BASIC language, programming in Quick Basic and Visual Basic creating several programs in my spare time. I always enjoyed doing this and found the move to more powerful languages such as C++ and Java at university relatively easy. I am the kind of person who likes to solve problems, if I get a programming related problem I enjoy finding a way to solve it and seeing the final product of this.

I enjoy doing a variety of sports and activities including tennis, fencing, badminton, swimming and going to the gym. Previously I took part in several fencing competitions as part of a team and went to a swimming club for 4 years. I now play badminton several times a week and try to keep up with the swimming as much as I can.

I recently undertook a voluntary role as a **business advisor** for a **Young Enterprise** company at the Nottingham Boys High School, this involved weekly meetings and providing assistance to the students running the company throughout the school year.

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## Education –

### ***Sep 2001 – June 2005***

Sheffield Hallam University – BSc (Hons) Computing (Software Engineering)

#### **Year 4 Modules**

Project and Professional Development (double module)  
Management of IT Projects  
Case Studies in Software Design  
Formal Software Development  
Advanced Web Applications

**Final classification: 2:1** (67% average)

#### **Year 3 –**

Sandwich placement year at **Siemens Communications** in Beeston, Nottingham. The year was spent developing software for IP Phones in embedded C. Throughout the year I gained experience in all stages of the software product life cycle, from initial design, implementation, right through to testing and debugging. I also gained sponsorship for the final year of my degree from Siemens.

#### **Year 1 Modules (Year mark 76.5%)**

Maths for Computing  
Professionalism and Communication Skills  
Information Systems  
Introduction to Programming  
Component Programming  
Computer Architecture and Networks

#### **Year 2 Modules (Year mark 67%)**

Database Systems  
Web Based Systems  
Principles of O-O Software Construction  
Networked Software Development  
Software Engineering Concepts and Methods  
Games Programming

### ***1999 – 2001***

Carlton-le-Willows Sixth Form, Gedling, Nottingham

#### **A-Level**

General Studies  
Design and Technology  
Maths  
Physics

#### **Grade**

B  
C  
D  
D

### ***1994 - 1999***

Carlton-le-Willows Secondary School, Gedling, Nottingham.

11 GCSE's Grade A\* - C including Maths and English

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## Employment –

### ***June 2005 – Present***

Siemens Communications, Beeston, Nottingham

I started as a Graduate on the Siemens Graduate Development Programme, completing the 18 month programme which included a variety of courses that covered areas such as Project Management, Communications, Team-working and Business Writing. I have gained invaluable skills in these areas through the courses as well as networking with up to 80 other graduates from other areas of Siemens.

I have now been there approaching two years working in embedded systems on a large-scale VoIP project for the whole time, seeing it from initial inception stages to the point it is at now where the product is on the market and we are continuing to maintain it. This project has involved applying agile development processes extensively (Extreme Programming and scrum primarily) and use of Test-driven development with CppUnitLite.

For the first six months I was part of the core framework team on the project, who were responsible for developing a core Service Oriented Architecture in C++ for the phone that could, in future, be lifted out as a whole and applied to other products. This work involved a lot of UML design and pattern implementation, with extensive use of the STL for data structures and common types. Major patterns used in our implementation were the Component Configurator pattern – allowing dynamic loading/starting and shutting down of services at runtime, the Interceptor pattern – Used for transparently setting 'interception points' in code for things such as logging, and the Proxy / Invoker pattern – Allowing us to hide the details of the communications mechanism between services.

This development was all performed in a Linux development environment, developing for both the X86 and MIPS platforms. Our primary IDE was Eclipse which was integrated with our code control, unit testing and build environments. At this stage in the project we were also developing FIT tests, which were used as acceptance tests.

After this I moved into a role which involved further framework/services development but more in the area of data management and helping to develop the phones decentralised data architecture. Implementing a generic access service for our SQLite relational database and working on the layers above this that provided an XML interface to it.

Finally, I have now spent some time maintaining the phone, gaining valuable experience within a variety of areas. Notably, Audio/Media and Signalling – knowledge of network protocols, codecs and tone generation, sockets and the underlying communication mechanisms, LDAP directory access, web-based management and further experience with XML and data management.

***June 2003 – September 2004***

Siemens Communications, Beeston, Nottingham

Full-time on a year's placement as part of my degree, in embedded systems on the IP Phone project. Gaining experience in Java and embedded C.

***Sep 2002 – June 2003***

Wm Morrison PLC, Hillsborough Sheffield

Part Time Check-out Operator

***June 2002 – Sep 2002***

MCR Products, Nottingham

Worked over summer doing data entry and general admin/office work.

***Feb 2001 – June 2002***

WM Morrison PLC

Part Time Grocery Assistant, checkout operator

***Oct 2000***

Ramesys System Support, Bilborough, Nottingham

Work Experience – System Support, Building and maintaining computers and computer peripherals

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References –

**Claire Reeve**

Personnel Administrator  
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