

Emma Persky – Curriculum Vitae

Personal Details

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Nationality	British		London N8 7RW
Availability	July 2008		

Personal Profile

I am currently a third year mature undergraduate of Computing at Imperial College London. I have been working as a software / web developer since around the age of 15, and I was working full time in the industry 2004 - 2005. My experience in both industry and education has provided me with the ability to work in a number of different styles and has enabled me to hone my adaptation skills to the point where I am able to understand and react to foreign situations quickly. In addition I have retail and customer service skills which complement my technical ability and provide me with a well rounded skill set.

My major project for this year is to develop a hand gesture recognition system which uses a webcam to analyse hand movements in order to control ubiquitous computer systems without the need for a special glove or other physical contact device. The aim is to produce a system that will recognise a set of gestures so that a person without enough manual dexterity to operate a TV remote control can operate a TV by gesturing with their hands.

My major project for last year was to develop a multiplayer web based game which used a database back end. For this I created a game which could be described as non-linear monopoly played out on a world map. It was played simultaneously in real time by all players on a Google Maps game board so that players could see each other moving about from city to city, and keep track of global events. The game used a combination of Javascript on the front end and a Ruby on Rails backed, with communication by AJAX methods to keep up the fast pace. At the time it was the only multiplayer, multi client, real time game based on Google Maps. My report can be found at <http://persky.co.uk/2ndYearGameReport.pdf>

My skill set has been developed through employment as a software developer for web applications for the past several years. I have worked with various technologies including Ruby on Rails, Java and .Net. Most recently I have been involved with the building of both the front and and back end of data driven websites and have honed my Javascript and AJAX skills for the creation of realtime application feedback. I also have experience with various database back ends including SQL Server, Oracle and MySQL and PostgreSQL.

As part of my degree, I am learning formal processes of software and database development. I am fully proficient in producing reports, documentation and have well developed presentational skills.

Education

Further Education	Imperial College London
October 2005 - Present	BEng Computing (Currently 3rd Year)

School	City of London School
September 1996 - July 2002	A-Level Physics - A A-Level Maths - A A-Level Design Technology - A GCSEs 2A*s, 6As, 2Bs.

- October 2007 - Present
Mac Specialist - Apple Store, Regent Street (Part Time)
 Providing first line information and pre sales advice to customers in the store for various Apple products
 • **Responsibilities:** Determining which customers need advice on possible purchases and then providing this in an understandable manner. Apple evangelism.
 • **Skills needed:** Interpersonal skills are needed to ensure successful interaction with potential customers. Team skills also needed to ensure entire store is covered.
- November 2005 - April 2006
Technical Assistant – Computer Support Group, DoC, Imperial College (Part time)
 • **Responsibilities:** Assisting with the maintenance of the departments computer systems (hardware and software), developing new software as necessary, and preparing / testing systems coming up to upgrades. Also involved was support work where systems had failed.
 • **Skills needed:** General systems skills. Knowledge of Linux, hardware, networking and Pearl.
- September 2004 - September 2005
Senior Developer – Lynx Internet, London
 Developing bespoke solutions for customers, and migrating existing systems to .NET Framework. Remote contract work.
 • **Responsibilities:** Developing bespoke modules for Lynx's eCommerce product, and integrating them into the main code base where necessary. Managing projects for bespoke work where more than one person was needed for the development, including liaising with customers.
 • **Skills needed:** ASP.NET, VB.NET, XHTML, JavaScript and Microsoft SQL Server were the main products using during the development of software. Use of SourceSafe and SVN was also needed for code management.
- January 2003 - July 2003
Developer – Talisman Software, London
 Migrating existing software product from Access Database to Oracle Database.
 • **Responsibilities:** Migrating an existing telecommunications database solution built in Microsoft Access to a large scale back end running on an Oracle Database. Tasks involved optimising the software to run over the network, optimising and rewriting queries for PL/SQL.
 • **Skills needed:** For this role, I was required to learn about Oracle Database, and PL/SQL, in addition to using my knowledge of Visual Basic.
- Summer 2002
Developer – Computing Group, Assurance and Advisory, Deloitte and Touche
 Developing custom software needed for use within A&A, and assisting on existing projects.
 • **Responsibilities:** Developing a messaging system to help integrate new employees into Deloitte when Anderson staff joined.
 • **Skills needed:** Java, SQL Server.

References

Professor Susan Eisenbach
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