

# Matt Galloway

## Personal Information

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**Email:** [matt@galloway.me.uk](mailto:matt@galloway.me.uk)

**Website:** <http://www.galloway.me.uk/>  
**Date of Birth:** 24th January 1985  
**Marital Status:** Single  
**Nationality:** English

## Qualifications and Awards

### University Education

October 2003 – June 2007: University of Cambridge, Pembroke College

#### BA MEng (Hons) Engineering

Summer 2007: Part IIB (Year 4)	Distinction	(79%)	[Exams 81%, Project 76%]
<i>Project title: Distributed Adaptive Meshes for Simulation and Animation</i>			
Summer 2006: Part IIA (Year 3)	Class 1st	(79%)	
Summer 2005: Part IB (Year 2)	Class 1st	(79%)	
Summer 2004: Part IA (Year 1)	Class 2.I	(76%)	

### Secondary Education

September 1996 – July 2003: Bablake School, Coventry

Summer 2003: <b>4 subjects at 'A2' Level</b>	4 'A's (Maths, Further Maths, Physics, Chemistry)
<b>2 subjects at AEA</b>	Maths (Merit), Chemistry (Merit)
Summer 2002: <b>4 subjects at 'AS' Level</b>	4 'A's (Maths, Further Maths, Physics, Chemistry)
Summer 2001: <b>10 subjects at GCSE</b>	6 'A*'s, 3 'A's, 1 B (A* in Maths, Physics, Chemistry)

**June 2007:** College Prize (Pembroke College, Cambridge)  
**November 2006:** 3rd Year Computer-Based Project Prize (University of Cambridge)  
**November 2006:** 3rd Year Design Project Prize (University of Cambridge)  
**June 2006:** Foundation Scholarship, Foundress Prize (Pembroke College, Cambridge)  
**June 2005:** Foundation Scholarship, College Prize (Pembroke College, Cambridge)  
**June 2004:** College Prize (Pembroke College, Cambridge)  
**May 2004:** Language Programme for Engineers, Intermediate German (Passed with Merit)  
**February 2003:** Bronze Olympiad Awards in Physics and Chemistry  
**Summer 2003:** Mathematics Subject Prize, Physics Subject Prize (Bablake School, Coventry)  
**June 2002:** Young Enterprise Examination (Passed with Credit)  
**May 2002:** Engineering Education Scheme Award & Gold Crest Award in Physics  
**September 2000:** Duke Of Edinburgh Bronze Award

## Work Experience

**July 2009 – Present: MX Telecom Ltd. (<http://www.mxtelecom.com/>)**

### Systems Developer

- Development of internal systems to ensure the smooth running of the company, including mail, intranet & routing hardware.
- Required to work with a wide range of languages including C/C++ and scripting languages such as Perl & Python, to develop in-house tools for systems administration.

**October 2008 – Present: Self Employed iPhone Application Development (<http://iphone.galloway.me.uk/>)**

- Development of iPhone applications for release on the 'Apple iTunes App Store', including:
  - Subnet Calc (<http://iphone.galloway.me.uk/subnetcalc/>)
  - Subnet Calc Pro (<http://iphone.galloway.me.uk/subnetcalcpro/>)
  - BeerMap (<http://www.ibeermap.co.uk/>)
- First application released after 1 month of learning Objective-C programming language, showing ability to quickly learn new languages and technologies.
- Experience at taking a project from an idea through to design & development of the final product.

**September 2008 – June 2009: Senokian Solutions Ltd. (Also Senokian Internet Ltd. & Omelett.es Ltd.)**

### Systems Engineer

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- Responsible for configuration, installation and administration of core network and server infrastructure.
- Management and implementation of network and telephony based projects.
- Development of PHP/SQL based web applications and iPhone applications.
- Large amount of client facing work including meeting clients to discuss potential & existing projects, and dealing with clients' problems.

## **November 2007 – April 2008: *WhistlerBlackcomb Ski Resort, Glacier Creek Restaurant* Lead Hand Cashier (Team Manager)**

- Accountable for the running of eight cash tills at a large mountain restaurant.
- Leading a team of ten cashiers including training, managing and ensuring accuracy of transactions.
- Responsible for the master float of \$20,000 – counting, tracking and ordering coin to be delivered.
- Working with management to follow the company and restaurant performance in customer satisfaction and financial matters, then looking at ways to improve.
- Handling of customer complaints and aiming to resolve efficiently and leaving the customer happy.
- Excellent management and team work experience including problem solving, customer satisfaction, team motivation and innovative work.

## **June 2004 – September 2007 (during summer & Christmas vacations): *Altair Engineering Ltd.* Product Design and Development Engineer**

- Support engineer for various product design and development projects, analysing and optimising components.
- Projects included crash analysis for vehicles & seats, dynamic analysis of products including a picnic tray for a car seat, topology optimisation of metal components and NVH analysis of full vehicle models.
- Innovating modelling and optimisation methods, including designing a sensitivity method for optimising the ply layout of a composite component.
- Development of customer facing skills through the attendance of various meetings with clients, presenting results and discussing further investigations.
- Initial placement was sought personally and was a voluntary placement at first. After just two weeks this offer was extended to become a paid placement due to the speed of skill acquisition.

## Key Skills

### **Programming**

#### *Objective-C*

Advanced ability. In particular making use of the Cocoa framework through the development of iPhone applications. Also, extensive experience of the Apple iPhone developer process for releasing applications for both ad-hoc and 'Apple iTunes App Store' distribution.

#### *C++*

Advanced ability. Final year Masters project was written in C++, making extensive use of object-oriented techniques, the Standard Template Library and Boost libraries.

#### *PHP*

Extensive ability. First learnt at a young age for use when developing personal websites and developed knowledge whilst working at Senokian Solutions for many web based, database driven applications including use of open-source frameworks such as 'Zend Framework'.

#### *SQL*

Extensive ability. MySQL and Postgres implementations in particular with ability to structure complex queries and basic understanding of query optimisation.

#### *Perl*

Intermediate ability. In particular writing scripts to automate tasks for system administration.

#### *MATLAB*

Intermediate ability. Learnt and used whilst at university for lab projects, in particular for an image processing project which included developing an image compression algorithm, for which I received a 3rd year project prize.

#### *HTML / CSS*

Intermediate ability. Use of HTML as the basis of PHP projects, including understanding of CSS styling.

### **Computing**

- Excellent understanding of Unix, Windows and Mac OS X environments with experience of working in a mixed

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operating system environment, including administration of such environments.

- Familiar with web site management, including blogs, through design and administration of various websites including personal site, personal blog and family genealogy site.
- Competent use of Microsoft Office products and equivalent open-source alternatives (OpenOffice), including Visual Basic experience in developing macros to automate tasks in Microsoft Excel.

## Networking

- Excellent knowledge and experience in administration of Linux / BSD based servers including routing, DNS, load balancing & web services.
- Experience in distributed computing through use of distributed finite element codes whilst working at Altair Engineering to solve complex simulations on dedicated clusters. Also through final year Masters project where an MPI implementation was used for the distributed aspect of the project.

## Telephony

- Proficiency in configuration, installation and maintenance Asterisk based systems, including Trixbox.
- Familiar with a wide range of SIP handsets with experience in configuration alongside a telephony server.

## Engineering

- Engineering course at the University of Cambridge, specialising in Electrical & Information Sciences. Courses included system control, electronics, telecommunications, image processing & coding, medical imaging and computer vision.
- Proficiency in finite element modelling and analysis software packages including Altair HyperWorks, LS-DYNA and NASTRAN. Training and use of these whilst working at Altair Engineering.

## Organisation and Planning

- Team captain for university college pool team - 2nd team in first year and 1st team in third year. This involved organising matches and planning college competitions.
- Planning final year university project and organising meetings with supervisor to successfully complete project within strict deadlines. Deliverables comprised two reports, technical abstract and two presentations.

## Other

- Full clean UK driving licence with Pass Plus.
- Conversational German, taken as an extra to first year university course (passed with Merit).

## Interests

Being at the forefront of technology is a major interest of mine. Throughout my life I have wanted to stay up to date, which is what prompted me to read Engineering at university – I want to take a role in the constantly evolving world of science & technology. I also have a keen interest in the business world and I took business economics as part of my third year university studies. Also, I have taken my interest in business into account during my self employed iPhone application development. This has not only enabled me to develop business & marketing skills, but has also enhanced my self motivation and project planning skills. I have been able to successfully develop, launch and support an application alongside other work which has proven that I can take on extra responsibilities.

I also enjoy travelling and after leaving university I embarked upon a ten month trip around Canada, New Zealand, Australia and Singapore. In Canada I worked for WhistlerBlackcomb ski resort at a mountain restaurant and was promoted after the first day of work to lead hand cashier. This has given me leadership experience and I believe I have benefited greatly from not only the job, but also the experience of travelling for an extended period of time in foreign countries.

In addition, I enjoy playing pool, snooker and the guitar and I had a key role in forming a band. We recorded our own CD at a local recording studio and performed at local events.

## Referees

### Previous Employer

Jamie Buchanan (Director Product Design)  
Altair Engineering  
Imperial House, Holly Walk  
Leamington Spa, CV32 4JG  
Telephone: 01926 468600

### Previous Employer

Jake Stride  
Omelett.es  
18 Leicester Row  
Coventry, CV1 4LH  
Telephone: 02476 010105

### Project Supervisor

Fehmi Cirak  
Department of Engineering  
Trumpington Street  
Cambridge, CB2 1PZ  
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