

# Curriculum Vitae

## Thomas Sowerby

Logically thinking, business minded website developer with a strong mathematical background from degree level education. Several years' work at varying levels of commercial development in varying team sizes, working with clients to understand and analyse their requirements, and quickly learning new skills or methods where needed to accomplish goals, showing excellent project/time management and development ability. Always interested in new projects and working with new people to explore new technologies and techniques to further my expertise.

### Current Work

#### Stickyeyes, Lead Developer

2012 - Present

Lead developer for an award winning marketing agency, responsible for programming systems for capturing and analysing market data for core business and client strategies, as well as building API and other front end interfaces to make this accessible to other systems and external SEO companies.

Tasks and responsibilities include:

- Creating and developing large scaling systems using: Amazon Web Services, PHP (Zend), Couchdb, Beanstalkd, Mysql, Go
- Designing and creating RESTful applications to allow interaction with the databases
- Analysing distributed system performance using rsyslog, statsd and graphite
- Architecting stacks to do complex statistical analysis of extremely large data sets
- Organising projects, managing expectations and deadlines, mentoring and monitoring developers
- Constantly assessing and trialling technologies that may improve performance of our core tasks
- Estimating and monitoring system costs and applying cost saving methods and migrations

### Higher Education

#### Loughborough University

BSc, Second Class honours, upper division (2.1) in Mathematics and Computing

2003 - 2007

With high grades in the following modules:

- Object Oriented Programming and Algorithms
- Operating Systems, Networks and the Internet
- Computer Architecture
- Databases; Geometry, Vectors, Complex Numbers and Complex Variables
- Sequences and Series
- Number Theory and Applied Mathematics
- Computer Applications in Maths
- Science of the Internet and Networks in Nature and Society

## Other Work

### Totemic, Website Development

2007 – 2012

Work on the internal and core business sites; Spending some time at Landingnet, a marketing company owned by Totemic, to extend this work to cover external business websites, allowing exposure to the marketing, tracking and SEO of various projects.

Responsibilities:

- Analysis of systems with the project sponsor to determine the most efficient and effective way that a website can be used to meet their business goals
- Development and maintenance of multiple websites and projects
- Working with: PHP, MySQL, JavaScript, XHTML, CSS, Zend Framework, Doctrine 2, JQuery, WordPress, Drupal, PHPUnit
- Mentoring of Junior Developers
- Strong self-organisation, communication and motivation skills
- Constant consideration to tracking, statistics, usability, accessibility and SEO
- Researching new technologies, techniques, project management tools and web applications

### Contract Website Developer/Consultant

Most work through enCircle Solutions

2005 – 2007

## Other Qualifications

- A-Levels (2003): Mathematics (A), Physics (B), Design and Technology (A), General Studies (B)
- Engineering in Education scheme, completed in 2002 with the Gold Crest Certificate awarded for the mechanical and aeronautical engineering project

## Other Responsibilities

- Member of the running team at Totemic. Representing the company in races across Europe
- Mathematics and Computing Course Representative throughout University, responsible for passing comments between students and lecturers
- Involvement in various societies throughout University at Committee level being responsible for website management, team feedback and communications

## Personal Interests

- General interest in new technologies and keeping up to date with technology news
- Computer building and troubleshooting
- Recreational computer gaming on multiple platforms
- Photography and digital arts
- Piloting light aircraft: Completed private pilot licence with hopes of further training
- Boating and waterways: From a boating family with connections to waterway restoration
- Music: enjoying a wide variety of genres, accomplished playing piano and drums
- Outdoor activities: Running, walking and cycling

## References

### Professional

Duncan Beddows  
Director of IT at Totemic  
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### Academic

Firat Batmaz  
Final Year tutor, Teaching Assistant/Researcher  
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### Personal

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## Contact Information

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