

GEMMA CHURCH

The Freelance Writer Who Gets Tech

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EXPERIENCE

Freelance Science & Technology Content Strategist

Geditorial

June 2015 - Present Needingworth, Cambridgeshire, UK

- A specialist journalist, copywriter and editor for the science and technology sectors, translating complex principles into accessible and compelling articles.
- Write for publications, including: in-depth science site BBC Future, branded content studio Reuters Plus, simulation software magazine Scientific Computing World, industry magazine Laser Systems Europe, freelancer society IPSE's Modern Work magazine, and flexible workspace site AllWork.Space, where I am the associate editor of tech and innovation.
- Work as a staff writer and editor for technology companies, including: AI startup Second Mind, DNA sequencing business Congenica, quantum computing startup Riverlane, global microchip-making company ASML, technology and sustainability consultancy DNV GL, wind measurement company ZX Lidars, simulation and modelling company COMSOL, specialist AI and blockchain consultancy Critical Future, technical consultancy the Honey Partnership and governance and compliance specialists IT Governance.
- Write across various formats, including: feature articles, whitepapers, company reports, funding and awards applications, user guides, tutorials, web copy, marketing material and blog posts.
- Founded the Science is Simple website, which is a repository of scientific terms that is freely accessible to everyone. It ensures that everyone can understand science at some level - it is not scary, it is not impenetrable but is fun, interesting and surrounds us all.

User Experience Website Developer

Bango

July 2013 - September 2015 Cambridge, Cambridgeshire, UK

- Responsible for maintaining a range of front-end web applications using the .NET framework and modern web standards.
- Liaised across the company's Board and its technical and marketing teams to develop a consistent web development framework and implement the agile methodology.
- Designed and developed digital marketing campaigns. Also maintained and updated the company's blogs in WordPress.

Web Development Team Leader & Sales Executive

Imagen

July 2013 - February 2009 Willingham, Cambridgeshire, UK

- Responsible for managing the web development team and developing customisable web themes, bespoke websites and a new development framework.
- Used PHP, XHTML, JavaScript, jQuery, CSS3 and XML to develop themes and websites within a Yii framework using MVC principles.
- Worked closely with customers to develop their design ideas and guarantee every site is technically and aesthetically outstanding.
- Worked between the development and marketing teams and the company's PR agency to organise and produce promotional material.

News & Web Editor

Europa Science

January 2008 - February 2009

Runner for Science & History Floor

BBC

July 2006 - September 2006

Technology & Business Reporter

CNET Networks

September 2006 - December 2007

Technology Graduate Scheme

Reuters

September 2004 - September 2005

EDUCATION

Undergraduate Diploma in Creative Writing: Advanced Fiction and Writing for Performance

Cambridge University

October 2020 - Present

- Taught at FHEQ Level 5, covering a range of literary genres and styles to further extend my writing skills.

Master of Philosophy (MPhil) in Physics

Cambridge University

October 2005 - August 2006

- One-year experimental project designing, simulating and fabricating micro-magnetic structures to tag DNA particles during sequencing.
- Wrote for the Cambridge University science magazine "Bluesci" and implemented websites for other student societies and research groups at the Cavendish Laboratory.

1st Class Hons, Master of Physics with Astrophysics (MPhys)

University of York

October 2000 - July 2004

A-Levels - Maths (A), Physics (A), German (B) and Further Maths (D) and 11 A* - A Grade GCSEs

Shrewsbury High School

September 1993 - July 2000

MORE ABOUT ME



Nesta Tipping Point Prize Finalist

Writing about the impact of Quantum Cryptography in the national writing competition.



IPSE Member Forum

Representing the freelancer community to the society's board.



Proficient in shorthand

Circa 100 words per minute.



Countdown Finalist

Winning one of the show's elusive teapots.

SPECIALIST TOPICS

- Physics Mathematics Quantum Theory
- Artificial Intelligence Modeling and Simulation
- DNA Sequencing Cloud Computing Lasers
- Self Employment Flexible Working Lithography
- Cyber Security IoT Additive Manufacturing

STRENGTHS

- Analytical Thinker Creative Driven
- Effective Communicator Problem Solver
- Committed Team Player Resourceful & Innovative

A TYPICAL DAY IN MY LIFE

