

Meredith Davey

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Sex: Male

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DOB: 13th April 1979

Portfolio: <http://www.phud.net>

Nationality: British

A graduate in Physics, trained in sustainable and services engineering with strong communication and analytical skills. Recently completed a research course in computational and design art. I thrive on challenges and have a proven record of academic and commercial success & achievement. Adaptation of innovative and analytical problem solving skills to real world solutions. Flexibility of skill set and ability to expand upon these to meet project requirements and goals.

EDUCATION

2004 - 2005

Graduate Certificate in Digital Technologies in Design Art Practice.

Department of Computational & Design Art, Concordia University, Montreal, Canada

- GPA 4.10, equivalent to A+ (max possible 4.30).
- A one year intensive research based program. My research is focused on the creation of a new visual language for analytical sciences, in an aesthetically engaged manner.
- In this program I engaged in critical, theoretic and applied thought on art, design, science, technology and philosophy. Works comprised of both traditional and new media, with an emphasis on non-traditional new media.
- Thesis project (SADI – Science and Art a Designed Interaction) was an instillation piece utilising a live video feed to allow for gestural interaction. The piece used dynamic typography to illustrate and expand on a physics simulation linked to its mathematical analysis driven by user motion and actions. I wrote the bulk of the approximately 15,000 lines of java code that were developed for this project. To execute the project I was awarded a grant by CIAM and hired an assistant that I supervised and directed to complete minor code areas, comprising approximately 2,000 lines of code. Additionally I liaised with a research lab to collaborate with on this project.
- This course demonstrated my ability to work independently with little or no supervision to create and execute project based research in the computational arts field. I set my own project goals and evaluated milestone performance and implementation. The use and understanding of all areas of digital culture were required, including rapid assimilation of a multitude of programming languages.

1998 - 2001

University of Bristol, Bristol

• **BSc (hons) Physics (Class II.i).**

- Course required strong analytical and numeric skills, and tested the ability to apply these skills in innovative ways.

Final year project consisted of a theoretical examination of superconductor junctions.

1995 - 1997

La SWAP sixth form consortium, London

• **A Levels: Economics (A), Maths (A), Physics (A) and Law (C).**

1990-1995

Haverstock School. 9 GCSEs grade A*- C including Maths and English.

WORK EXPERIENCE

Nov 2005 - Present

Atelier Ten Ltd, London

Senior Environmental Designer

- Senior team based role, working to develop the initial strategy for built spaces in relation to their environmental and services requirements. As with my previous work at Max Fordham I balance the utility of the functional requirements of the systems I design with their aesthetic connotations and sustainable impact.
- My duties include project management, strategy development, evaluation of design options and substantial computational modelling of projects. As part of the numerical modelling I am often called upon to extend the computational packages functionality by coding bespoke additions in a variety of programming languages.
- This role requires strong people management skills to form & lead project based teams. Additionally I direct team members work and training.

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Sep 2005 -
Present

Imulsion, London

Founder

- Imulsion is a design and technology company working in the medium of responsive space. We approach projects from both a technological standpoint developing and integrating systems that create a platform for creative development. We additionally approach projects from the artistic and design end, allowing freedom of creative output.
- These spaces are designed to produce and channel emergent participant behaviour, turning the audience into the agents of performance. Target markets are for architectural, performative, artistic and marketing lead spaces & events.
- Developing towards a January 2006 public launch.

Nov 2001 –
Aug 2004

Max Fordham LLP, London

Building Services Consultant

- A challenging role working in project teams comprising of many different companies and based in many different countries. Developing pioneering, creative building solutions to client and budgetary requirements. Focus of work on designing mechanical & electrical systems, sustainable and systems engineering. Designs adapted to match styles of client teams.
- Managed and designed major international sustainable projects with full control over project design, specification and integration. Project design required input from 3 continents and 6 countries to complete. Frequent control of budgets in excess of €6m, requiring financial modelling to evaluate effectiveness including net present value analysis.
- I demonstrated an excellent ability to work semi-autonomously or within a team environment to create original solutions. Usually engaged in more than one project at once I was able to effectively prioritise different project requirements and goals in parallel.
- I would carry out complex numerical analyses of systems and projects. This would comprise both a physical modelling to determine system effectiveness and then couple this with a financial model to assess viability of the solution. In many cases these would be presented to the client and I would discuss with them the relative benefits and drawbacks of these different options.
- Have taken an interest in the practice management.
- Highlighted projects include a refurbishment of 150 residential units in London, major works on a grade I listed building complex in central London & sustainable design of a new transport interchange and train station in Italy. Many of the projects I have been involved with have been architecturally designed by prominent national and international architects.
- Involvement in construction projects worth in excess of £300m.
- **Sinclair Knight Merz; Melbourne, Australia** (August – November 2003)
 - Secondment to a partner company as a specialist sustainability consultant. Working in a close team to impart expertise gained in the UK to the Australian construction industry.
 - In this role I adapted my skill set to meet the Australian market.
 - Focus was on the strategic planning and initial conception of projects.
 - Lead a successful internal R&D project to analyse aspects of introduction of certain new technologies into the Asia-Pacific construction market, involving both the capital and technical issues. Working with national and international project members based in four different cities and with major international manufacturers I was able to produce pivotal analysis and assist the implementation of the associated recommendations.

Sep 2001 –
Nov 2001

Covent Garden Bureau, London

Administrative Staff

- Assignment to the General Medical Council.
- Responsible for the electronic management of doctors records in a confidential and professional manner.
- Learned to work quickly and efficiently to deal with the needs of a wide variety of people.

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Oct 1997 -
May 1998

Manpower, London

Administrative Staff

- Long assignments at both the Natwest Bank (consumer side) and The Royal Bank of Scotland (commercial side).
- Worked performing back room operations at these banks ensuring that their operations were conducted efficiently and complied with the relevant regulatory authorities.
- Took responsibility for short and long term physical and electronic filling of the RBS records to meet tight deadlines and whilst ensuring that they were still assessable to the regulatory inspectors.

SKILLS:

- Excellent IT Skills: Advanced user of Windows, Office, mathematical, modelling, CAD, image and web publishing software. Understanding and advanced use of several programming languages (e.g. java, actionscript, C++ etc) and web based languages (e.g. HTML etc). Knowledge of several computer protocols.
- Experienced in project management and supervision of others.
- Lead and directed collaborative teams, excellent interpersonal skills.
- Excellent understanding of business models and methods.
- Strong numerical skills, used for both financial and physical analysis.

EXTRACURRICULAR ACHIEVEMENTS:

- **Bristol University Students Union Non-portfolio Officer 2000-2001**
- **Bristol University Model United Nations Society Non-portfolio Officer 2000-2001**
- **Arts: photography, new media and clothing design.** I have had professional sales in these areas and have a strong personal style. My aesthetic style takes an original approach to these issues and in doing so creates respected new works. Many of these works require in depth technical knowledge.
- **Sports:** Qualified and enthusiastic sub-aqua diver. Keen Ultimate Frisbee player
- **Travelling:** Travelled extensively throughout Europe, Malaysia, Singapore, Borneo, Australia, Central and North America. Lived in Australia and Canada. Through this I have gained awareness and sensitivity to cultures different to my own.

REFEREES:

Please ask for referee details.