

ARAN KUMAR DASAN

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D.O.B 21/04/1987
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WEBSITE <http://www.akgraphics.co.uk> (online portfolio and design-blog)
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DRIVING LICENSE Full (UK)

FURTHER EDUCATION

Cambridge University (10/2006 to 06/2010)

Engineering, 4-year MEng course. Currently completing 4th year. 1:1 grade achieved in 3rd year.

Course elements:

- Specialised in mechanics, life sciences and design methods.
- *Final project:* "Indentation Techniques for Cancer Diagnosis" - designing a novel breast cancer screening device and process.
- *Mechanical:* vibrations, linear systems and dimensional analysis.
- *Life sciences:* biomaterials, medical device design, neuroscience and biosensors.
- *Electrical:* digital and analogue circuits, microprocessors, RF- and power- electronics.
- *Software:* Programming in C++ and MATLAB.
- *Business:* Technology management, marketing and business economics.

Central St. Martins (Week-long Course 2006) Introduction to Product Design Summer Course

SECONDARY EDUCATION

09/1998 to 07/2005 Simon Langton Grammar School for Boys
Langton Lane, Nackington Lane
Canterbury, Kent

AS- & A2- Level (2003-2004) Maths (A), Further Maths (A), Physics (A) & Product Design (A)
Open University (2003-2004) Engineering the Future, Short Course (78%)
GCSE-level (2001-2003) 6 A*, 1 A & 3 B grades achieved (including English, French and science)

WORK EXPERIENCE:

07/2009 to 09/2009: 10 week Summer Internship: Innovia Technology

Summer internship with Cambridge-based innovation firm. Working in a diverse team, including anthropologists, psychologists, physicists and biologists in a variety of projects, from product branding to medical device innovation.

- Main projects: (1) Marketing strategy for a major snacks and beverages manufacturer, entering new markets. Included scenario-planning exercises and presenting original research to client. (2) Exploring collaborative open-innovation opportunities faced by a major US medical devices firm. (3) Exploring novel mechanisms of action for a new consumer diagnostic device.

07/2007 to 09/2007: 10 week Summer Internship: Ramboll WhitbyBird

Summer internship in the Cambridge office of an international structural engineering company, under Associate Andy Fuller-Lewis. Responsibility for material choices, load analysis and beam/slab layout.

- Main project: The detailed design of a steel-frame layout of a new school in Milton Keynes. Rapid learning of new software was required to design and create steel and concrete composite beams, and to design unique joints as the architect's design criteria evolved.

09/05 to 09/06: Gap-year: Landscape Technician: Lloyd Bore Landscape Architects & Ecology

Placement with a medium sized design practice, providing services ranging from landscape design and master-planning through to site appraisals, ecological surveys and environmental impact assessments.

- Main project: master-plan creation for the expansion of a large village in Kent - investigating access, public amenity land usage, conservation areas and noise pollution. Responsible for creating persuasive materials and renders.

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ACTIVITIES

10/06 to 12/09: President, Cambridge University Fire Performance Troupe: <http://firetroupe.org>

Managing initial creation and the day-to-day running of a large and busy university society, as well as putting on outdoor fire-performances in London and East Anglia.

- Running twice-weekly workshops, teaching fire-performance skills and fire-related health & safety procedure.
- Managing fireshows, negotiating contracts with clients, carrying out risk assessments, organising rehearsals, creating dance choreography and putting together music soundtracks for performances.
- Creation of new website and promotion for the Fire Troupe, as well as responsibility for its evolution.
- Overseeing the procurement of new fire performance, health & safety, sound and vision equipment, as well as the cash flow that supports them. The Troupe runs as a not-for-profit organisation: all earnings from gigs are channelled back into the community, subsidising our community workshops, and buying new gear.

As I joined the Troupe, it was not popular with various authorities in Cambridge University and the wider circus community, being seen as unsafe and carrying out bad practice. After 3 years of running the Troupe, our reputation as a fun, safe and professional group has grown, to the point where we were being funded to perform in the University's 800th anniversary finale celebrations in 2010, and are attracting new members every week.

07/03 to present: Freelance graphic design: www.akgraphics.co.uk

Self-employed freelance graphic design: "AKgraphics" providing small-scale 2D graphic design. Portfolio available upon request. Typical jobs include festival ticket design, local club night promotional design & CD packaging.

SOFTWARE SKILLS

Fluent: Microsoft Office, Adobe Photoshop & InDesign, Windows & Mac OSX.
Working Knowledge: Adobe Illustrator, Solidworks & ProEngineer, C++, MATLAB, LaTeX, Linux (Ubuntu).
Beginner: AutoCAD, Adobe Flash.

AWARDS

BP 3rd Year Design Project Prize - for the report "Fatigue Failure of Bicycle Forks".

Practical Action Sustainable Design Award 2005 Level 2 - 1st Prize / NESTA Grant

Audi Young Designer of the Year 2005 - Awarded 2nd place in regional final, for A2-Level final design project.

TDi Design Competition 2005 - Entered the national final, for A2-Level final design project.

OTHER INTERESTS

I enjoy tinkering with electronics, dancing and fire performing, as well as cycling with friends. I have recently started creating LED-based sculptures, using knowledge from my engineering course to create novel interactive art. My current plans for 2010 are to cycle to Spain and back, in order to exhibit various electronic art projects at festivals there. Creativity is central to my relaxation, and in my free time I can often be found sketching in my notepad.

REFEREES

Dr. Christopher Hicks
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I am eager to learn and to meet new people, willing to work hard, and to become a part of the team.