

Roy Mohan Shearer

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<http://www.zero-waste.co.uk>

A hardworking, vibrant designer
and maker devoted to new thinking
for sustainability and collaborative development.

Born: 02/01/1982

Core Skills

- Planning and execution of user-centred design processes.
- Visualisation using sketching, modeling and CAD systems.
- Fabrication using card, foam, woodwork, metalwork, resins, fibreglass, pre-cast concrete, sewn textiles, basic electronics, laser cutting and rapid prototyping.
- Lucid documentation using photography, print and online publishing.

Education

Sep. 2001 – July 2005 **University of Glasgow**, Glasgow, G12 8QQ
Glasgow School of Art, 167 Renfrew Street, Glasgow, G3 6RQ

- MEng (Euro) degree in Product Design Engineering, a multi-disciplinary course run jointly between the GSA School of Design and the GU Mechanical Engineering Department, combining an initial foundation in mechanical engineering with subsequent extensive practical design projects. Upper Second Class Honours.

Aug. 2003 – Jun. 2004 **Norwegian University of Science and Technology**,
Trondheim, Norway

- Studying for one year as part of an exchange through the Socrates-Erasmus programme. Electives in man-machine interaction and design with wood.

Sep. 2000 – Jan. 2001 **Blackpool & Fylde College**, Palatine Rd., Blackpool

- Foundation Art & Design course, part study for BTEC.

Sep. 1993 – July 2000 **Lytham St. Annes High Technology College**, Lancashire

Work experience

Jun. 2005 – present **Zero-waste Designⁱ** (self-employed), Glasgow

- Freelance industrial designer, providing design services with an emphasis on open source design and design for sustainability.
- Recently completed a 3 month residency at the Duncan of Jordanstone College of Art and Design, funded by the Scottish Arts Council.
- In-house projects in the areas of products from reclaimed materials, musical instruments and graphics. Self-directed research into open source design.
- Blogging for New Zealand startup Ponoko and in-house blog on open design, digital manufacturing and sustainable design. Lecturing, tutoring and writing on these subjects.
- **Clients/Funders:** Scottish Arts Council, Ponoko, DOT07, James Fisher Underwater Projects, Glasgow School of Art, we are curious and North Lanarkshire Council.

May. 2006 – Apr. 2009 **The Coach House Trust**, Glasgow

- In-house design engineer and technician, helping to deliver a £25k community art project producing litter bins and outdoor seating for The Waterways Trust.
- Working primarily with people with mental illness, learning difficulties and addictions. Setting up and maintaining workshops for timber, metal and concrete work.

Other experience

Feb 2003 – present **dBass** [7 piece jazz fusion ensemble]

- Drums and joint management for numerous live performances (including clubs, festivals and Scottish touring), recordings and 3 small releases.

Sep. 2007– present **Inspector Tapehead** [pop trio]

- Drums, percussion and vocals for live performances, and throughout the album *Duress Code*. Performance at Homegame Festival, Anstruther in April 2009.

Technical Skills

- Skilled in the use of solid 3D modeling packages such as Solidworks, Inventor 11 and Solid Edge, surface modeling packages Rhinoceros and 3D Studio Max, and graphics packages such as Photoshop and Illustrator. Beginner's experience with video editing software Premiere and interaction authoring tools Flash and Dreamweaver. Familiar with Mac OS, Windows and Unix based platforms.
- Highly experienced in the use of various word processors, spreadsheets and internet applications, including those for the purpose of email, FTP and WWW browsing/searching. Creator and administrator of various websites.ⁱⁱ
- Experience of graphic design and basic website design using CSS.
- Languages: Basic knowledge of German and Norwegian, Processing, Basic and formatting in CSS and XHTML.

Hobbies and Activities

- Keen musician and member of several bands writing, recording and performing original music around Scotland.
- Cycling – will cycle at any opportunity; occasional participant in informal events.
- Outdoor activities such as hillwalking and kite flying.

References

- Miss Florence Andrews, Director, we are curious, Top Floor Studio, 15 Hope Street, Glasgow G2 6AB. | info@wearecurious.com | tel: +44 (0)7867521694.
- Ms. Sheila Richard, Executive Director, The Coach House Trust, 84 Belmont Lane, Glasgow, G12 8EN. | sheila@thecht.co.uk | tel: +44 (0)141 3346888.
- Mr. Craig Freshwater, Lead Design Engineer, James Fisher Defence Ltd., Block A, Westway, Porterfield Rd., Renfrew, PA4 8DJ | c.freshwater@srs.rumic.co.uk | tel: +44 (0)141 8863902

Accreditations, licenses and professional memberships

- Clean driver's licence.
- Member of the O2 international network for sustainable design.

ⁱ Zero-waste Design website:

ⁱⁱ Other websites that I have authored:

<http://www.zero-waste.co.uk>

<http://www.dbasscollective.co.uk>

<http://www.musictherapyscotland.org>