

# Will Gallia

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EMPLOYMENT      **Matt Watkins Design**, London  
*iOS Programmer*      05.2012 - 10.2012  
I was the sole developer for [Würfel-Mosaik](#), a digital version of the classic Swiss children's game of the same name. The iPhone/iPad application makes considerable use of iCloud, Core Graphics and social networking APIs.

**Hellicar & Lewis**, London  
*Computer Programmer*      06.2012 - 08.2012  
I worked in a team of three developers creating [Tryptych](#), a set of interactive installations showcasing Intel's new range of processors. Interaction was through a Microsoft Kinect sensor and large projections. The projects were programmed in C++ & GLSL and used openFrameworks. The project was [open source](#).

**greyworld**, London  
*Computer Programmer*      07.2010 - 09.2010  
As a summer job, I programmed real-time generative visuals for London based art collective [greyworld](#) and advertising agency Ogilvy. The project was built with Processing.

**Dursley Swimming Pool and Sports Centre**, Gloucestershire  
*Lifeguard*      07.2007 - 01.2008

TEACHING EXPERIENCE      **Goldsmiths College**, London  
*Lab Assistant*      01.2013 - 03.2013  
I assisted in the 1st year BSc and MA programming labs, helping students learn Java in the Processing environment and C++ with openFrameworks.

**Swanlea School**, Whitechapel, London  
*Assistant Teacher*      03.2011 - 04.2011  
As part of the TDAs Student Associate scheme, I worked alongside teachers in both the Science and Maths departments, teaching students preparing for their GCSEs.

EDUCATION      **Imperial College**, London  
*MSc Computing - Visual Information Processing* (Merit)      10.2012 - 09.2013  
Dissertation: *Neighbourhood Approximation Forest based Segmentation*

**Goldsmiths College**, London  
*BSc Creative Computing* (First w/ Undergraduate Prize)      09.2009 - 05.2012  
Dissertation: *Construct: Voxel based visual hulls*

**Clifton College**, Bristol  
*Peter Brook (All Round) Scholarship*      09.2002 - 06.2007  
A-Level: Maths: A, Physics: A, Chemistry: B  
GCSE: 4 A\*, 5 A, 2 B

SKILLS	<b>Computer Programming</b> I have experience programming in a number environments and I am familiar with a range of tools. For realtime work I primarily work in <b>C++</b> , using OpenGL and possibly utilising libraries such as <b>openFrameworks</b> or <b>Cinder</b> . I am proficient in <b>Java</b> and intimately familiar with <b>Processing</b> . I have experience implementing machine learning and signal processing algorithms in <b>GNU Octave/MATLAB</b> and <b>Python</b> . For mobile applications i like to use iOS with <b>Objective-C</b> . I have also worked in the back and front end of the web domain, using languages such as <b>JavaScript</b> , <b>PHP</b> and technologies such as <b>MySQL</b> and <b>CouchDB</b> . I have an interest in embedded programming where I usually write firmware in <b>C</b> , though I frequently use the <b>Arduino</b> to prototype. I like to use <b>git</b> .
INTERESTS	<b>Cycling:</b> London → Munich (solo), route: <a href="http://where.is.wgallia.com">http://where.is.wgallia.com</a> <b>German:</b> European Common Framework Level A2
LANGUAGES	English & Turkish
REFERENCES	<b>Dr. Daniel Rueckert</b> , Tutor: <a href="mailto:d.rueckert@imperial.ac.uk">d.rueckert@imperial.ac.uk</a> <b>Dr. Mick Grierson</b> , Tutor: <a href="mailto:m.grierson@gold.ac.uk">m.grierson@gold.ac.uk</a> <b>Matt Watkins:</b> <a href="mailto:info@wurfelmosaik.com">info@wurfelmosaik.com</a>