

Will Gallia

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PROFILE	I am a 23 year old student living in London. I was brought up in Turkey, schooled in Bristol and spent a year in Manchester before coming to London. I am currently pursuing an education in Computing, focusing on the creative possibilities of programming.	
EXPERIENCE	Swanlea School , Whitechapel, London <i>Assistant Teacher</i> 03.2011 - 04.2011 As part of the TDAs Student Associate scheme, I worked along side teachers in both the Science and Maths departments. greyworld , London <i>Computer Programmer</i> 07.2010 - 09.2010 As a summer job, I programmed real-time generative visuals for London based art collective greyworld . During this project I worked alongside greyworlds founder, Andrew Shoben and advertising agency Ogilvy, programming their ideas. Dursley Swimming Pool and Sports Centre , Gloucestershire <i>Lifeguard</i> 07.2007 - 01.2008 After qualifying as a Lifeguard I worked for 6 months at my local pool. While working I was trusted with the public's safety. Capone's Nightclub , Dursley, Gloucestershire <i>Bartender</i> 07.2007 - 07.2008 At this nightclub I served a variety of drinks and cocktails.	
EDUCATION	Goldsmiths Collge , London <i>BSc Creative Computing</i> 09.2009 - Present Expected completion date: 06.2012 Manchester University , Manchester <i>BEng Chemical Engineering</i> 09.2008 - 04.2009 Two semesters completed Clifton Collge , Bristol <i>Peter Brook (All Round) Scholarship</i> 09.2002 - 06.2007 A-Level: Maths: A, Physics: A, Chemistry: B GCSE: 4 A*, 5 A, 2 B	

SKILLS

Computer Programming

I have experience programming in a number of languages and environments. At University I program in Java, C, C++ and GNU Octave for projects that include multi-threaded servers to computer vision to digital signal processing. Outside of University, I work on websites and other projects using languages such as Python, JavaScript, PHP and MySQL.

I have great experience working with graphical languages such as Processing, and libraries such as openFrameworks as well as OpenGL and GLSL.

System Administration

I run a Linux webserver and host websites for myself and friends, through this I am very comfortable in the UNIX shell and emacs editor.

Graphic Design

I have many years of experience with Adobe tools such as Photoshop and Illustrator. I can also be comfortable in 3D environments such as Blender.

RECENT WORK

Visualising the London Underground

For a project in a graphics course at University, I visualised real Underground journeys published by Transport for London. I programmed this in OpenGL, where every journey was stored as a pixel in a buffer object and transformations were applied by the GPU using GLSL.

Fabricate

[Fabricate](#), which is running my personal website, creates dynamic websites from text files, where 100% of the content is generated on the client side. It allows users to navigate the site via a command line. Content is pushed to a remote server automatically. It was made using JavaScript, Python and shell scripts.

Pedro & Sybil

For a second year project at University, I built and programmed a plotter (Pedro) and also wrote an accompanying piece of software to control it (Sybil). Full details, images, videos and code can be seen at: pedroandsybil.com. The plotter is controlled via a USB port on a laptop, where users can preview and manipulate the text/images before they are drawn. The software is native Mac OS X application programmed in C++/Objective-C using Cocoa and openFrameworks. The plotters firmware is programmed directly in C. All source code is open.

I recently won the first prize in the Goldsmiths Computing department art competition, my entry can be seen at wgallia.com#!adventuresinsine.

REFERENCES

Dr. Mick Grierson, Tutor: m.grierson@gold.ac.uk

Dr. Marco Gillies, Tutor: m.gillies@gold.ac.uk

Andrew Shoben, greyworld: andrew@greyworld.org