Chris Cummins
Curriculum Vitae

me@chriscummins.cc
http://chriscummins.cc
http://github.com/ChrisCummins

PROFESSIONAL EXPERIENCE

Intel Corporation   **2012-2013**

Working within the Open Source Technology Center on a 13 month internship, I was responsible for development on a variety of different projects, from Tizen to Linux middleware development and the low-level kernel graphics stack. Key technical skills included:

• Advanced C programming and debugging on Linux environments, including systems-level development and contributing to large (100,000+ lines of code) and mature projects, managed with Git version control and using the autotools build system.

• Specialised graphics programming on all areas of the stack, from writing GPU shaders in GEN assembly to complex 3D demonstrations using JavaScript in the web browser.

• Native Android application development using Dalvik's Java native interface and the Vala programming language.

Freelance web designer   **Ongoing**

I have been building and deploying commercial websites for a number of years, offering services which include graphical design, generation of assets (including on-site photo shoots), and company branding and SEO. Key technical skills include front-end development with JavaScript, HTML and CSS, and back-end development using PHP, MySQL, and full-stack JavaScript frameworks using Node and web sockets. Notable clients include:

• Barthélemy Jusselme, a celebrated Parisian tuba player.   http://barthelemyjusselme.com/
• Myrmidon Books Limited, a Newcastle based book publishing house.   http://myrmidonbooks.com/
• A Derbyshire based beauty parlour and health spa.   http://beautyroomsmatlock.com

Rolls Royce Holdings PLC Summer week placement within the Design Methods group.   **2008**

Oakleaf Graphic Designers Work shadowing.   **2006**

NOTEABLE ACHIEVEMENTS

Open Source contributions

I have a passion for developing high quality free and open source software. In addition to founding multiple personal projects in my own time, I have contributed to a number of established products through my experiences professionally at Intel and academically, including:

• **Linux kernel** I authored a patch to enable more convenient debugging of the kernel's ioctl interface.
• **GNOME** I have dozens of patches throughout the different codebases, from core components such as the control centre to bug fixes in user applications such as the contacts manager.
• **Wayland** I have written Wayland-enabling patches for GTK+, Clutter and Cogl.
• **Rig** I conducted a research project in modelling organic swarming behaviours and particle systems.

Arkwright Scholar

After passing a rigorous selection process which involved a set of written, oral, and practical exams, I was one of only 202 nationwide students to be awarded this prestigious title in 2008.

AES SEAL Design Innovation Award

Awarded first place in this national competition for my design of a car wheel made using 3D CAD software.

Musician and Audio Engineer

As a drummer I have played for a number of bands in venues ranging from London's Queen Elizabeth Hall, Sheffield's Carling Academy, the Birmingham Conservatoire, and a weeklong tour of Paris. I was twice a finalist in the National Youth Jazz Band competition, and have produced a set of online videos with over 180,000 views. In 2011 I built a project recording studio which was used for several independently funded works, such as recording an L.P. for a solo artist which was mastered at Abbey Road studios and recording voice over work for an independent film.

Charitable work and travel

I am a keen photographer and traveler, and this passion has taken me from Nepal to Egypt, Syria, Jordan and much of Western Europe. I have undertaken volunteer work teaching English as a foreign language in Nepalese schools as well as trekking in the Himalayas and raising funds for a leprosy colony.

EDUCATION

Aston University, Birmingham
MEng Electrical Engineering and Computer Science   (Expected) **2010-2014**

Birkdale School, Sheffield

A Levels	Electronics, Mathematics, Physics	A, E, C	**2009**
AS Levels	Electronics, Economics, Mathematics, Physics	A, B, C, B	**2008**
GCSEs	Maths, Dual Science, English Lit and Lang, Electronics, Classics, Music, Spanish		**2007**
		A, B, B, A, B, A*, A, A, C	