

# Erroll Wood

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Gonville & Caius College · Cambridge · CB2 1TA

## EDUCATION

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### Cambridge University, Gonville & Caius College (2009 – *present*)

PhD in progress under Prof. Peter Robinson *present*

**MEng, Distinction** – *Computer Science Tripos Part III* (2013)

Dissertation: GAZE ESTIMATION FOR PORTABLE DEVICES. I developed a gaze-tracking system suited for commodity portable devices, taking the limited image sensors and typical use environments into account.

**BA, Class I** – *Computer Science Tripos Part II* (2012)

Dissertation: 3D FRACTAL EXPLORATION USING A SCALE-ADAPTIVE SPARSE VOXEL OCTREE. I developed systems and algorithms for procedurally generating volumetric fractal data and rendering it in real time, independent of the scale it is explored at.

### St Paul's School, London (2004 – 2009)

A-Levels: A grades in Maths, Further Maths, Physics and Computing [A2], A grade in Economics [AS] (before introduction of A\* grade)

GCSEs: 10 A\*s and 1 A grade

## INTERNSHIPS & WORK EXPERIENCE

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### Cambridge University Computer Lab – *Research intern* (Summer 2013)

Developed an interactive networked public noticeboard framework to facilitate remote communication. Computer lab members can edit the noticeboards in person, or via web-apps on desktop or mobile.

### Qualcomm Research, Cambridge – *Software engineer intern* (Summer 2012)

Developed Android clients to showcase and test context-aware services. Presented a demo to Irwin and Paul Jacobs (Qualcomm's Chair and CEO).

Researched privacy concerns for Android, focussing on context-aware data collection. Examined both technical and user-experience aspects.

### Credit Suisse – *Lead Software engineer intern* (Summer 2011)

Lead developer in a team of 13 interns. Produced a real-time server monitoring web-app which was deployed by the company. Delivered a presentation and demo to ~40 interns and staff.

### Succeed Consultancy – *Software engineer intern* (Summer 2010)

Produced plug-ins and unit tests for load-testing employee management software developed by an Oracle Gold company.

### Symbian Foundation – *Work experience* (Summer 2009)

Documented the process of porting Flash apps to Flash Lite for mobile.

**Microsoft Research Cambridge** – *Work experience* (Winter 2008)  
 Developed a Flash web applet for the Environmental Science Dept. to help present their study on birds' flight patterns.

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#### AWARDS & ACHIEVEMENTS

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**EPSRC Doctoral Training Studentship** (2013)  
**Gonville & Caius College Scholar** (2012)  
**2<sup>nd</sup> Year Group Project Prize** – *Most Professional* (2012)  
**British Informatics Olympiad** – *National Finalist* (2009)  
**St Paul's School Senior Scholar** (2008)  
**Arkwright Engineering Scholar** under *Microsoft Research Cambridge* (2007)

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#### OTHER ACTIVITIES

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**Gonville & Caius May Ball Committee** – *Web & Systems* (2011 – *present*)  
 Worked in a team of 23 to re-envision John Milton's *Paradise Lost* as a high-budget formal ball, specializing in adapting the poem into the event's atmosphere and decor.

Develop websites for ticketing, staffing, and exploring the theme's story using an interactive animated 3D book.

**Game Development** – *Indie Game Developer* (2005 – 2010)  
 Developed many web-based minigames using Flash. These were distributed over the internet, generating revenue via sponsorship and advertising.

*Weapons of Maths Destruction 2* is a recent example which combined tank combat with maths education to encourage learning.

**Duke of Edinburgh's Award** – *Gold Level* (2008)

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#### TECHNICAL SKILLS

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<b>Programming</b>	Python (OpenCV, NumPy), Java (Android), C++, ActionScript
<b>Tools</b>	Eclipse (Android, TeXlipse, PyDev), Visual Studio, SVN, Jira
<b>Websites</b>	Javascript (jQuery), HTML5, SASS, Google Web Toolkit, Tomcat
<b>Media</b>	Photoshop, Illustrator, Flash, Visio, L <sup>A</sup> T <sub>E</sub> X

(last updated December 10, 2013)