

Erroll Wood

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Gonville & Caius College · Cambridge · CB2 1TA

EDUCATION

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

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

Developed an interactive networked public noticeboard framework to facilitate remote communication (NetBoards). 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 (taint-analysis) 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.

PUBLICATIONS

NetBoards: Investigating a Collection of Personal Noticeboard Displays in the Workplace (2014)

Erroll Wood and Peter Robinson

Interactive Tabletops & Surfaces, 2014, (invited demo)

EyeTab: Model-based gaze estimation on unmodified tablet computers (2014)

Erroll Wood and Andreas Bulling

Proceedings of Eye Tracking Research & Applications, 2014

AWARDS & ACHIEVEMENTS

EPSRC Doctoral Training Studentship (2013)

Gonville & Caius College Scholar (2012)

2nd 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)

OTHER ACTIVITIES

Academic Teaching (2013 – *present*)

Have taught Computer Vision, Graphics, Artificial Intelligence, and Information Theory to undergraduates for over 100 hours. Have supervised three final year projects.

Gonville & Caius May Ball Committee – *Web & Systems* (2011 – 2014)

Developed websites for two May Balls, handling ticketing, staffing, and exploring the themes. Also implemented a networked ticket scanning system (Android) for speeding up entry – the first of its kind.

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.

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

TECHNICAL SKILLS

Programming Python (OpenCV, NumPy, IPython), Java (Android), C++

Tools PyCharm, Eclipse (Android), Visual Studio, Github

Websites Javascript (jQuery, Paper.js), HTML5, SASS (Bourbon, Neat)

Media Photoshop, Illustrator, Office, L^AT_EX

(last updated June 30, 2015)