

CASE STUDY

Andrew John Nowell

Scholarship Awarded: 2004-2006
Nottingham High School

Sponsor
SEMTA

Current Position
Technology Developer, Sentec Ltd

University (2006-2010)
Christ's College, Cambridge
Engineering
First

A Levels
Maths A, Further Maths A, Physics
A, Design and Technology A,
General Studies A



I have completed my BA and M.Eng Degrees at Christ's College Cambridge having obtained first class honours in the Electrical and Information Sciences Part IIA Tripos and a distinction in the Information and Computer Engineering Part IIB Tripos. For the duration of the course I received an IET Fuse Scholarship and I did summer internships at IBM Hursley working in Emerging Technology Services on several sensor network and MQTT based home automation / control based projects. I played tennis for the University, was a member of The Hawks' Club and was president of the Christ's College sporting society.

I currently a Technology Developer at Sentec, working on a mixture of interesting electronics and software based projects, particularly focused around smart energy and home automation. The work can be challenging but there is always support and good mentoring – I am constantly learning new valuable skills and enjoy being given responsibility and having a real say in the business. I enjoy the mix of technical and business-related work and opportunities to travel and visit great trade shows (like CES in Las Vegas!).



In addition to playing tennis, rugby and cricket competitively, I enjoy most other sports. I am particularly interested in electronics and building my own gadgets. I am also interested in building and modifying computers, developing websites and programming. One of my

most successful projects has been RCISS, which is a handheld device that can wirelessly control a computer and display the video signal which would normally appear on the computers monitor. The project has won a number of engineering awards including the Alcatel-Lucent special award for innovation and first in class in the Electrical and Mechanical Engineering section at Intel ISEF (World's largest international pre-college science competition), New Mexico 2007 and the Duke of York award for the most creative electronics project at Young Engineer for Britain 2006.



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MEANS
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A teacher's guide
LEARNING TO COUNT
The design options
DESIGN INTEGRATION
Combining PCBs and packaging
RE-BUILDING THE BOMBE
Code breaking sans electronics
REAL DESIGN FOR YOUNGER PUPILS
A project-based approach