

Peter Hilborne

*Ty Newydd, Three Crosses
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Education

- 2010–2014 **Gonville & Caius College, University of Cambridge.**
MEng in Control & Instrumentation Engineering.
Part IIB Project: Feedback Control of McLaren F1 Simulator.
Parts IIA & IIB focused on Control & Information Engineering.
Parts IA & IB gave a broad foundation in all engineering disciplines.
- 2010–2013 Parts IA, IB & IIA: Class I.
- 2003–2010 **Bishop Gore Comprehensive School, Swansea.**
- 2010 A-Levels: Mathematics (A*)
Further Mathematics (A)
Physics (A)
- 2008 GCSEs: 10, 5 at grade A & 4 at A*, including Maths and Double Science.

Academic Achievements

- Ranked 9th out of 300 in Part IIA Tripos, 6th out of 300 in Part IB Tripos;
- Received prize for highest mark obtained in Image Processing Project at end of Part IIA;
- Awarded Reginald C. Cox College Prize for highest mark in Part IB & Sir David L. Salomons College Prize for same in IIA;
- Scholarships awarded for Parts IA, IB & IIA.

Work Experience

- 2013 **West Kirby URC, Voluntary Youth Worker.**
Undertook over 120 hours of voluntary youth work during summer. Tasks include:
- Engaging with young people over difficult/pastoral issues.
 - Last minute stand-in for coordinating and running games & activities.
 - Responsible for running of strategic games club.
- 2012 **TATA Steel, Port Talbot, Summer placement.**
Worked in Process Control. Gave presentation at end of placement to whole department.

2011 **Cellnovo Ltd, Swansea, Summer placement.**

Worked on CAD model of company's insulin pump, on milling machine and in manufacturing. Achievements/responsibilities include:

- Independently redesigned & prototyped cantilever clip & waterproof seal;
- Modified current pump model to fit pre-made insulin cartridges. Prototypes presented to one of the world's leading drugs companies;
- Created detailed and technical presentations to be shown to both superiors and potential business partners;
- Independently contacted current & potential suppliers.

Extra-Curricular Achievements

2013 **Soul Survivor Summer Camp** – catered for over 30 people while camping for less than £2 per head per day.

2013 **First Aid** – completed Red Cross course in first aid for babies and children.

2013 **Preaching** – after my first sermon I was invited back very shortly after and have now preached at two different churches.

2011–2013 **Cambridge Student Methodist Society Committee**

President – Chaired meetings, ran weekly Bible study, responsible for pastoral care of society, member of Church Council. First president to hold office for 2 terms.

Secretary – Single-handedly organised black tie dinner for 60 past members. Included contacting hundreds of past members, finding and conversing with venue & organisation on-the-night.

2011–2012 **Cambridge RAG Jailbreak** – charity challenge to travel as far as possible in 36 hours with no money. Travelled 834 miles in 2011 & 616 miles by hitchhiking in 2012.

2010 **Travel** – InterRailed around Europe for $3\frac{1}{2}$ weeks in summer. Organised route & accommodation for 8 separate locations beforehand.

2003–2008 **Swimming** – twice a week throughout all of secondary school. Achieved award for completing 2km endurance swim.

Additional Skills

IT Part IIB Project completely programmed in MATLAB; Part IIB reports and thesis in LaTeX; edited and improved complex assemblies in SolidWorks CAD program; proficient in C++; expert in Apple Pages and proficient in Microsoft Office.

Languages GCSE grade A in French; undertook 8 week introductory Chinese course.

Interests

Reading – specifically modern sci-fi; cooking – especially for friends and family; solving wooden/metal Mensa puzzles and playing strategy board games.

References

Professor MC Smith
Project supervisor & lecturer
mcs@eng.cam.ac.uk

Timothy Oakes
Previous employer, Cellnovo Ltd.
\$\$\$CONTACT DETAILS FOR TIM\$\$\$

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Company Recruitment team
Company, Inc.
123 somestreet
some city

January 01, 1984

Dear Sir or Madam,

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis ullamcorper neque sit amet lectus facilisis sed luctus nisl iaculis. Vivamus at neque arcu, sed tempor quam. Curabitur pharetra tincidunt tincidunt. Morbi volutpat feugiat mauris, quis tempor neque vehicula volutpat. Duis tristique justo vel massa fermentum accumsan. Mauris ante elit, feugiat vestibulum tempor eget, eleifend ac ipsum. Donec scelerisque lobortis ipsum eu vestibulum. Pellentesque vel massa at felis accumsan rhoncus.

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Albert Einstein discovered that $e = mc^2$ in 1905.

$$e = \lim_{n \rightarrow \infty} \left(1 + \frac{1}{n}\right)^n$$

Yours faithfully,

Peter Hilborne

Attached: curriculum vitae