

PEMBROKE TUTORS

Tim

I have tutored alongside my studies for the last three years. I began tutoring admissions whilst at Oxford and carried on to university level work with my successful applicants. I believe the personal dynamic between a tutor and a pupil is unique, and hopefully gives the pupil that extra yard that they need to realise their ambitions, educationally and personally. A private tutor is much more than a teacher, and my experience is that the relationship can enhance the talents and prospects of the pupil in multiple ways within and beyond a standard curriculum and exam-focused educational system. As an experienced tutor, I hope to engender an atmosphere conducive to all these values.

Education

Sep 2012 – Jun 2016 MEng (Engineering Science) Christ Church, University of Oxford
Grade: High 2.1
Modules: Studied a broad range of modules throughout the four years, including electrical, mechanical, software, civil and biomechanical.
Thesis: Biomechanical thesis presented at conference in Lyon.

Sep 2005 – Jun 2012 Lancaster Royal Grammar School
A levels: 3 A*s - Mathematics, Physics, Biology
2 As – Chemistry, General Studies
GCSEs: 10 A*s – Mathematics, Physics, Chemistry, Biology, Geography, English Language, French, Design Technology, I.T., Religious Studies.
2As – English Literature, History

Tuition History

I have offered tuition services over the last three years, and am confident teaching the following subjects:

- i. GCSE level: Mathematics, Chemistry, Biology, Physics
- ii. A Level: Maths, Physics, Biology
- iii. Oxford entrance exams: Engineering Science and PAT test.
- iv. University level engineering exams

Personally, I find that a tutee will only learn effectively if they truly want to learn: that is, they are actively interested and engaged with the subject. I find it a great shame that engineering is often presented in a very dry manner as I find it endlessly fascinating and see no shortage of interesting applications of University level material around me every day. Using my passion and enthusiasm for the subject I seek out as many interesting examples as possible to engage the student, simultaneously sparking a keen interest and consolidating the subject at hand.

I often look to my sporting activities for inspiration for these examples, but also frequently draw on the built and natural environment for interesting and enlightening puzzles.

Employment History

2016-Present R&D Engineer, Mixergy Ltd.
After graduating in June 2016 I took a job as an R&D engineer at a spin out from the University of Oxford with a focus on technology allowing more renewable energy to be put onto the national grid. My role is challenging and highly varied, and I'm equally likely to be found problem solving in the office, working on test rigs in the lab or visiting industrial partners as far afield as Sheffield or Cornwall.

Summer 2015 Intern, Qoda Consulting
Qoda consulting are a small but highly successful company specialising in design and building services engineering. I worked in a tight knit team dedicated to ensuring that

projects managed by Qoda met stringent new environmental legislation by modelling various scenarios to find an optimal solution.

- 2014 / 15** **Varsity Trip Rep Team**
Worked closely with a committee and large team of college reps to ensure that the trip sold out for the first time in three years.
- 2008 - 2012** **Mechanic, The Edge Cycleworks**
Worked extensively at my local bike shop as a mechanic fixing bikes and interacting with customers on the shop floor.
- 2011 / 12** **Senior Prefect, LRGS:**
Ran a six man team responsible for the running of the Science library amongst other duties.
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Achievements

- June 2016** **Presented Masters Thesis at European Society of Biomechanics 2016 Conference, Lyon**
Paper awaiting submission.
- 2016** **3rd Place, Varsity Mountain Biking Competition**
Came third out of a large and competitive field of mountain bikers from Oxford and Cambridge.
- 2015** **2nd Place, Varsity Skiing Competition**
During my time as Oxford Freestyle Skiing Captain I placed 2nd overall at the annual Varsity competition against Cambridge.
- 2011** **Ogden Trust Young Physicist of the Year**
Awarded Ogden Trust Young Physicist of the year award whilst studying at LRGS.
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Interests

In my spare time I'm a competitive cyclist, skier and experienced mountaineer. I feel these pursuits, which can be very challenging and stressful at times, lend me a calm and patient personality which transfers well into my roll as a tutor. Over that last two years I've taken up photography, and particularly enjoy capturing the highs and lows of my adventures in the outdoors.

References

Available on request.