

# TOM NICKSON

## Contact

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## Machine Learning

Gaussian Processes  
Nonparametric Bayes  
Multi-agent Systems

## Programming

Python, Matlab  
HTML, CSS, JS  
Java, C, Julia  
Perl, C++

## Frameworks

Android, Django

## Education

|            |  |                            |
|------------|--|----------------------------|
| since 2012 | <b>DPhil</b> candidate in Machine Learning<br>Funded by the ORCHID Project.<br>Working on Machine Learning, Human-Agent collectives and Citizen Science. | MLRG, University of Oxford |
| 2008–2012  | <b>MEng</b> First Class Honours<br>Specialised in Information and Electronic Engineering.<br>Fourth year project on bio-signal processing.               | University of Oxford       |

## Work Experience

|             |  |                          |
|-------------|--|--------------------------|
| Summer 2011 | <b>Intern</b><br>Developed a GUI for a PCB test tool.  | Triteq, Hungerford       |
| Summer 2010 | <b>Intern</b><br>Developed a Python based packet sniffer for a medical device networking protocol.             | Triteq, Hungerford       |
| Summer 2009 | <b>Intern</b><br>Developed a JavaScript based webapp to monitor mobile telephone exchange power stations.      | Vodafone, Newbury        |
| Summer 2009 | <b>Intern</b><br>Constructed a temperature test rig for a band gap reference chip.                             | Maxim IC, Newbury        |
| 2007-2009   | <b>Computer repairman and web developer</b><br>Designed and coded a showroom website for a van rental company. | Cavic Computers, Newbury |
| 2007        | <b>Shelf stacker</b><br>Put things on shelves.   | Waitrose, Newbury        |

## Leadership

|           |   |                       |
|-----------|---|-----------------------|
| 2011      | <b>President</b><br>Ran a successful event including bands, comedy acts and a large bouncy slide. We recouped losses from a previous failed event and generated significant goodwill with the College.  | Balliol Summer Event  |
| 2010-2011 | <b>Editor</b><br>Scrawl is the termly Balliol arts magazine. We promoted art in Balliol with an art wall and a giant cardboard robot. I contributed illustrations and poems to the magazine, and motivated talented artists to submit their work. | Scrawl                |
| 2009-2010 | <b>Mr. Design&amp;Maintenance</b><br>Designed the theme for the current JCR website. I was responsible for repairs and upgrades to the JCR bar and other facilities.  | Balliol JCR Committee |

## Interests

|          |   |
|----------|---|
| Canoeing | Canoeed Green River (Utah) in 2012. Gained BCU 3* in Kayak and Canoe at a local youth group while in secondary school.  |
| Making   | I enjoy taking on physical, electronic and software projects. Current projects are a smoker-barbeque, for which I took a welding course at a local college, and an automated beer brewing system. |