Tim**Fogarty**
student software engineer

education

2011–now **Bachelor** of Natural Sciences   The University of Nottingham, United Kingdom
Specialization in Mathematics and Physics

experience

2013–now **Imperial College London**   London, United Kingdom
Web programming contractor
I built and maintain projectpal.org for Imperial College. The site is used nation-ally to connect medical students to exciting projects. Used annually by 400 intercalated BSc students at Imperial.

projects

ProjectPal.org   projectpal.org & node.projectpal.org
*PHP (legacy), M*EAN Stack (*M = MySQL)*
Originally written in PHP, I'm now reimplementing it in Node. I used sequelize as an ORM for MySQL. I discovered how useful promises could be while working on this.

EUPhorics   euphorics.herokuapp.com
Node.js, D3.js
Discover European music with this interactive quiz. I used TopoJSON, SVGs, and D3 to make the interactive map.

PodLearn.com   podlearn.herokuapp.com
MEAN Stack
A peer-reviewed platform for medical education podcasts backed by the Uni-versity of Liverpool.

Investigation into Semiconductors   github.com/tfogo/GaAs-Potentials
MATLAB, C
I built a numerical model of quantum dots formed by the out diffusion of inter-stitial Mn^{2+} donors in p-type GaAs. The very heavy computational routine was implemented in C for efficiency.

VoiceCopter   github.com/tfogo/voicecopter
Node.js
Control a Parrot AR Drone 2 with voice commands. Work in progress.

publications

Dipender Gill, Tim Fogarty, Nathan Mountford, Christopher Tang, Elizabeth Yang. *Extra-Curricular Academic Opportunities Amongst Medical Students.* Poster session presented at: National Medical Education Conference; 2013 Jun 1; Exeter, UK.

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programming
JavaScript
(Node.js, AngularJS)

CSS3 & HTML5

Some Java, PHP,
MATLAB, & C

tools
Git
Grunt
Emacs

activities

2013–now   **Hack Secretary**   HackSoc
Responsible for finding and advertising external hackathons and organizing transportation to them.

2012–now   **Treasurer, Vice-President, and President**   Public Speaking Society

interests

Hackathons, competitive programming (e.g. ICPC, HackerRank, Project Euler), quantum computing, reading, running.