

Daniel Jake Davies

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📁 github.com/djdavies

BSc Computer Science Undergraduate

Education

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| Cardiff University <i>BSc Computer Science, expected: 2.1</i> | Wales 2011–2016 |
| City of Bath College <i>BTEC National IT Practitioners, Distinction x3</i> | England 2009–2011 |
| Trowbridge / Farleigh Further Education College <i>BTEC First Diploma in IT, GCSE Maths, GCSE English, Distinction*, B, B</i> | Wiltshire 2008–2011 |

Undergraduate Dissertation

People Tracker:

Determine the best search results for tracking an individual down on the web, including data collection via web scraping techniques (Google API, PIPL, Facebook and LinkedIn) and data analyses. Using MySQL, PHP, Laravel, jQuery, HTML/CSS and JSON request/response and Chart.js
github.com/djdavies/PeopleTracker

Experience

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| The Alacrity Foundation <i>Software Developer</i> A year in industry placement: worked on own start-up project' and industrial projects for real world clients, delivered software under agile, scrum methodology. Detailed achievements: <ul style="list-style-type: none">○ Built own startup project idea, 'Ratingator'.<ul style="list-style-type: none">- Built and hosted this web application running on Amazon Web Services Elastic Beanstalk/EC2 instance;- Built using PHP Laravel framework, jQuery/JavaScript. Made heavy uses of Python libraries for web scraping, and JSON seeding.- Designed very flexible RDB schema, making use of database migrations.- Leadership responsibilities, business decisions, and user experience research.○ Delivered Android app with PHP backend for the Welsh Deaf Association:<ul style="list-style-type: none">- Learned Android and mobile programming whilst delivering application under scrum deadlines.- PHP backend streaming recorded sign language video, as well as offline support with images- Interacting with the WDA and learning rudimentary sign on the go.○ Built a RESTful API for the Office of National Statistics For Analyses of Completed Census Forms<ul style="list-style-type: none">- Worked against Swagger framework- Proposed and used the ME(A)N stack: MongoDB, Express.js, and Node.js using the Mongoose ORM. | Newport, Wales 2014–2015 |
| NHS / Cardiff University <i>Web/Database Programmer</i> | Heath Hospital, Cardiff, Wales Summer 2014 |

Research project with Research Design and Conduct Service, working closely with the Information Services department.

Detailed achievements:

- Worked upon jQuery form builder code, with MS SQL Server key:Value pair database, proposed and designed normalised DB schema, working with jQuery/HTML interface and PHP.

University of Bath

Bath, Somerset, England

Software Engineer/Unix SysAdmin

Summer 2012

12 weeks summer placement at the University of Bath, where I gained work experience in Unix SysAdmin through 2009-2011. I was working amongst the Networks Team, and developing tools for them.

Detailed achievements:

- Developed a service for University of Bath to restore expunged e-mails from their Cyrus IMAP accounts via a web front-end. Involved back-end work using Perl, sh, lighttpd on Solaris.
- Networking monitoring system: extending Nagios with other APIs, such as Twitter for SMS alerts.

Computer Languages

Main Language(s)/techs: PHP, LAMP stack, **Frameworks:** Android, Laravel, Express.js, HTML5/CSS3, JS, Node.js, Rails (a little), Bootstrap, Symfony/Codelgniter (via Laravel)

Secondary: Python, Java, Perl, Ruby (Forgotten: **OS':** GNU/Linux inc. Arch, Debian, Redhat, C, VB.NET, Haskell, C) AWS; Windows and Active Directory, Mac OSX, FreeBSD

Interests

History: Ancient Britain, Napoleonic Wars, French Revolution

International Cinema: Cannes, World Film, Eastern Block

Thrift culture: Re-purposing lost items

Free open source software and knowledge: Wikipedia, GNU/Linux, Founder of the Cardiff Free Culture Official Chapter

Hackathons: Enjoyed Cardiff University 'Open Sauce' Hackathon 2012, 2013

Linux talks, conferences, and LUGS: Linux Boot Camp, University of the West of England, Bristol, 2010

Hardware tinkering: Embedded Systems/Micro-controllers: Arduino, Raspberry Pi

Referees

Previous Employer: Dr. Ben Blamey, blamey.ben@gmail.com, Springworks AB, Software Developer, Sveavägen 52, 111 34, Stockholm, Sweden, 52 111 34, +46 73 642 04 06

Personal Academic Tutor: Dr. Wendy Ivins, Queen's Buildings, 5 The Parade, Roath, Cardiff, CF24 3AA, +44 (0) 29 20870248