

Will Sutherland

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Education

- 2016 - 2017 University of Cambridge — Advanced Computer Science MPhil
- Newton College Masters Studentship (2016)
 - Computer Laboratory Advanced Computer Science MPhil Scholarship (2016)
- 2013 - 2016 University of Sheffield — Computer Science BSc, 1st Class Honours
- Mappin Medal for Greatest Distinction Shown by a Student in Final Year of Study (2016)
 - The Flook Prize for Most Innovative Dissertation at Level 3 (2016)
 - BCS Eliot Chiat Prize for Best Overall Performance at Level 2 (2015)
 - IBM Software Hut Prize & Client Software Hut Prize (2015)
 - Wiley & Sons Prize for Best Overall Performance at Level 1 (2014)
 - epiGenesys Scholarship for Outstanding Academic Achievement (2014)
 - Global Engineering Challenge: Best Overall Solution (2014)
- 2005 - 2012 The Perse School, Cambridge
- 3 A*s at A2 level (Maths, Physics and Art & Design)
 - 5 As at AS level
 - 10 GCSEs including 8 A*s

Employment

- Summer 2016 Summer Technology Analyst — Barclays, Canary Wharf, London, UK (9 weeks)
- Designed, implemented and deployed to production an application for equity derivative traders to book loan deposits, which is now used daily. Written using ASP.NET and Angular.js.
 - Contributed to other applications on the platform using agile methodologies.
- Summer 2015 Intern — Hewlett-Packard, HP Autonomy, Cambridge, UK (10 weeks)
- Aided research into server scaling using Node.js.
 - Created a system to monitor load on HP's Haven On Demand servers and send data to a real-time graphing system using Node.js.
 - Made contributions to open source software.
- Summer 2014 Intern — Hewlett-Packard, HP Autonomy, Cambridge, UK (10 weeks)
- Created an application to illustrate the search capabilities of HP's Big Data products.
 - Application was demoed to and well received by the Executive Vice President of HP Software.
 - Created an API & CMS to track updates for HP IDOL servers using Node.js and MySQL.
 - Awarded recognised@HP Commendation.
 - Worked using an iterative, agile approach to very tight deadlines.
- Summer 2013 Front of House — The Hole in the Wall Restaurant, Lt. Wilbraham, UK

Projects & Skills

- 2016 Crossy Roadbot — Undergraduate Dissertation
Computer Vision robot to play the mobile game Crossy Road, written in Python. Achieved a very high first class mark and was awarded the Floop Prize for Most Innovative Dissertation at Level 3.
- 2015 Slack Connect 4 Bot — github.com/wgpsutherland/slack-connect-4-bot
Node.js bot for playing Connect 4 on the team collaboration tool, Slack. The project was trending on Github (receiving over 6,000 page views and 79 stars), was featured on TheNextWeb.com, and was successful on ProductHunt.com.
- 2015 SideRank
Ruby on Rails application for the company Sideways6 to allow business employees to evaluate solutions to challenges proposed by their employer. Chosen as the winner by the client, and as the overall best application in the year by The University Of Sheffield.
- 2014 - 2015 Gradients — gradients.herokuapp.com
Full stack web application using Backbone.js, Node.js and PostgreSQL. Used by classmates to store grades and monitor progress.
- 2014 - Many other projects and open source contributions on github.com/wgpsutherland

Professional experience using JavaScript, Node.js, Backbone.js, Angular.js, ASP.NET, C#, Ruby on Rails, MongoDB, MySQL, RabbitMQ, Graphite, HTML5, CSS3, Git, Linux and Windows.

University experience using Java, Python, PHP, Haskell, Pure Data and Mac OS X.

Personal experience using PostgreSQL and CoffeeScript.

Extra

- 2015 Cisco IoE Challenge Hackathon
Chosen to represent The University Of Sheffield for the event at Media City in Manchester.
- 2013 - 2016 Sheffield University Men's Hockey Club & Computer Science 6-aside Football Team
- 2013 - 2015 Staff Student Liaison Committee — Computer Science, The University Of Sheffield
Elected as 1st and 2nd year representative, with a duty to collate the opinions of my peers and present to the academic department.
- 2010 & 2011 Sweden & Ladakh — Perse Exploration Society
2 weeks canoeing through the lakes of Sweden, culminating in a 24 hour survival exercise. 2 weeks volunteering in a school in Ladakh & 2 weeks summiting *Stok Kangri* (6,100m) in the Himalayas.
- 2006 - 2012 Pastoral Prefect & Senior Pupil Librarian — The Perse School