

# Will Sutherland

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[github.com/wgpsutherland](https://github.com/wgpsutherland)

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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
- The Flook Prize for Most Innovative Project 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)
- 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

- 2015      Slack Connect 4 Bot - [github.com/wgpsutherland/slack-connect-4-bot](https://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 66 stars), was featured on [TheNextWeb.com](https://thenextweb.com) and was successful on [ProductHunt.com](https://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. The application was chosen to be the winner by the client, as well as being chosen as the overall best application in the year by The University Of Sheffield.

2014 - 2015 Gradients — [gradients.herokuapp.com](http://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](https://github.com/wgpsutherland)

Professional experience using JavaScript, Node.js, Backbone.js, 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 - Sheffield University Men's Hockey Club & Computer Science 6-side 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.

2011 Ladakh — Perse Exploration Society  
2 weeks volunteering in a school & 2 weeks summiting *Stok Kangri* (6,100m) in the Himalayas.

2010 Sweden — Perse Exploration Society  
2 weeks canoeing through the lakes of Sweden, culminating in a 24 hour survival exercise.

2011 - 2012 Pastoral Prefect — The Perse School

2006 - 2012 Senior Pupil Librarian — The Perse School