# Angus Pearson

CTO, Robotical Ltd.

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| Email: | [angus@toaster.cc](mailto:angus@toaster.cc) |
| Web & Portfolio: | [https://toaster.cc](https://toaster.cc) |
| GitHub: | [https://github.com/AngusP](https://github.com/AngusP) |
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Nationality:    Dual British and Australian

## Work & Experience

**Jun 2017 - present**

CTO, Robotical Ltd.
*Managing and actively developing core product and company technical applications and supporting systems*

EXPERIENCE INCLUDES:

- Web Design and Development, Deployment and Cloud Infrastructure Orchestration with a focus on eCommerce, product presentation, marketing, customer support, engagement and user documentation. Additionally covered digital marketing, analytics and content optimisation for search (SEO).
- Software development & integration for online payments, shipping and logistics systems, enabling ecommerce sales and smoother integration into broader stock and accounting systems.
- Deployment of Material Resource Planning (Inventory + Manufacture) systems to control supply chain and complex multi-stage manufacture, with some logistics (LCL, Dangerous Goods handling)
- Electronics PCB and Embedded systems design and programming for the *Marty the Robot* product's control board, including Design for Manufacture & Design for Producton at scale (~10,000 units) for the PCBs and their production test fixtures.

[https://robotical.io](https://robotical.io)  ·  [https://martytherobot.com](https://martytherobot.com)

**Jun 2016 - Jun 2017**

Robotical Ltd. Software & Electronics Engineer
*Continued to work as a software engineer during-semester. Developed the main control circuit board for the robot, using an ARM Coretex M4 microprocessor as part of a Summer 2016 internship.*

**Sept 2013 - present**

Tardis Project Systems Administrator
*The project is a student-run systems and network administration 'sandbox' with 1000+ registered users. Administration involves hardware deployment, virtualisation, networking, service deployment and maintenance. Since beginning work on the project a full migration onto new hardware has been completed.*
[http://wiki.tardis.ed.ac.uk](http://wiki.tardis.ed.ac.uk)

**Jan 2017 - May 2017**

System Design Project Team Mentor and Demonstrator
*Teaching support position, University of Edinburgh. SDP is a University course, that I took in the previous year, 2016. The project involves building a wheeled robot, vision system and strategic control*

*system to play robot football, loosely based on the Robocup Small Size League. Mentoring involves guiding a SDP team through the course, checking on their progress and team management.*
http://www.inf.ed.ac.uk/teaching/courses/sdp/

Dec 2014 -
Jun 2015

Full Stack Web Freelance, GPB Consulting Ltd. (Content Analysis Web Application)
*Development of a Natural Language processing (NLTK) and Python backend, deployed on Heroku. The web app provides a set of market-leading measures of written content readability and complexity, used by the company in providing reports for clients. It is to my knowledge the most complete collection of these metrics on the web.*
http://ca.gpb.eu

Sept 2014 -
May 2015

CompSoc President (Edinburgh University Computing Society)
*This position included the organisation of two large hackathons, 'Hack the Burgh' (Major League Hacking) and 'The Smart Data Hack', as well as event management, financial management, logistics, marketing and sponsorship negotiation with companies including Google, Microsoft, Amazon DCS, Bloomberg and Accenture.*
http://comp-soc.com – http://2015.hacktheburgh.com – http://smartdatahack.org

2012

Arkwright Scholar at Stannah Lifts Group
*The scholarship included a 2 week internship where I developed a MP3 backed electronic sounder for a lift, that allowed sound profiles to be easily loaded via a SD card. This extended the functionality of the existing system which only produced a couple of tones to indicate state.*
http://www.arkwright.org.uk/

2011-2012

Frontend Web Freelance, GPB Consulting Ltd. (Main Company Site)
*Development of a WordPress site for the company, with some extended functionality to handle monthly Journal publications.*
https://www.gpb.eu

## Education

2013-2017

BSc (Hons) Computer Science & Artificial Intelligence, University of Edinburgh
First Class Honours

SOME COMPLETED COURSES:

*Robot Learning & Sensorimotor Control*
*Intelligent Autonomous Robotics*
*Machine Learning Practical*
*Introductory Applied Machine Learning*
*System Design Project*
*Human-Computer Interaction*
*Artificial Intelligence Large Practical*
*Embedded Systems*
*Computer Architecture*
*Operating Systems*
*Inf2B – Algorithms, Datastructures, Learning*
*Inf2D – Reasoning and Agents*

2011-2013

Pangbourne College (A Levels, GCSEs)

## Relevant Skills

PROGRAMMING & MARKUP LANGUAGES

Python, C, HTML5, CSS3
*Confident, multiple coursework assignments and own projects*
C++, Haskell, JavaScript
*Moderate experience, multiple coursework assignments or previous work*

ELECTRONICS AND HARDWARE

Digital Electronics circuit design, small-pitch and multi-layer PCB layout.
Experience with Verilog (Hardware Description Language)
Linux Systems Administration.
Completed the DofE Gold and Bronze awards.

FULL PROJECT WORK AND PORTFOLIO

https://toaster.cc/portfolio

## Contact

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