

# Angus Pearson

Email: [angus@toaster.cc](mailto:angus@toaster.cc)  
Web & Portfolio: <https://toaster.cc>  
GitHub: <https://github.com/AngusP>  
LinkedIn: <https://uk.linkedin.com/in/anguspearson>

Nationality: Dual British and Australian

## Work & Experience

Jun 2017 -  
present

CTO, Robotical Ltd.

*Managing and actively developing core product, company technical applications and supporting systems*

### EXPERIENCE INCLUDES:

- Web Design, Development and Deployment with a focus on eCommerce, product presentation, marketing, customer support, engagement and user documentation. Cloud Infrastructure management. Additionally some digital marketing, web 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.
- Electronics PCB and Embedded systems design and programming for the *Marty the Robot* product's control board, including Design for Manufacture & Design for Production at scale (~10,000 units) for the PCBs and their production test fixtures.
- Deployment of Material Resource Planning (Inventory + Manufacture) systems to control supply chain and complex multi-stage manufacture, with some logistics (LCL shipping, IATA Dangerous Goods handling)

<https://robotical.io> · <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 Cortex 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>

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 back-end, 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      Front-end 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:

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

2011-2013      Pangbourne College (High School UK A Levels, GCSEs)

## Relevant Skills

### PROGRAMMING & MARKUP LANGUAGES

Python, C, HTML5, CSS3

*Confident, day to day use*

C++, JavaScript, Haskell

*Moderate experience, used in previous works or occasionally*

### ELECTRONICS AND HARDWARE

Linux Systems Administration

Digital Electronics circuit design, small-pitch and multi-layer PCB layout

Experience with Verilog (Hardware Description Language)

Completed the DofE Gold and Bronze awards.

### FULL PROJECT WORK AND PORTFOLIO

<https://toaster.cc/portfolio>

## Contact

**email:** [angus@toaster.cc](mailto:angus@toaster.cc)

**phone:** 07578908062

**web:** <https://toaster.cc>