

# Angus Pearson

CTO, Robotical Ltd.

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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:

- Electronics PCB design and fabrication for Embedded systems and power
- Embedded systems design and programming
- DFP & DFM for Electronics, including production test fixtures and DFM at scale
- Web Design/Development, Deployment and Cloud Infrastructure Orchestration (DO, AWS)
- eCommerce, Digital Marketing, Web Analytics and optimisation (GA, GTM, GAds, FB Ads)
- Customer Support and messaging systems (Intercom, Transactional Mail)
- Payment, Shipping and Logistics systems integrations (Stripe, PCI DSS)
- Production Management, Inventory Control & Logistics (LCL)
- MRP, SCM and ERP, systems implementation and planning

<https://robotical.io/>

Jun 2016 -  
Jun 2017

Robotical Ltd. Software & Electronics Engineer

*Continuing to work as a software engineer (Web) during-semester. Developed the main control circuit board for the robot, using an ARM Coretex M4 microprocessor as part of a Summer 2016 internship.*

<https://robotical.io/>

Sept 2013 -  
present

Tardis Project Systems Administrator

*The project is a student-run systems and network administration 'sandbox' with roughly 1000 registered users. Administration involves hardware management, 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 Mentor/Demonstrator

*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. (Teaching support role) SDP is a University course, I took the course in 2016.

<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://hacktheburgh.com> – <http://smartdatahack.org>

2014-2015

Edinsolar - University of Edinburgh Solar Car Project Firmware team lead

*Initially I was on the Web Team and developed the frontend of the project website. Roles included firmware team management, co-operation with the Electrical and Business teams, developing firmware for the vehicle's control systems, and development of any design or logistical software required.*

<http://edinsolar.github.io/> – <https://github.com/EdinSolar>

Jun 2014 -  
Sept 2014

Front-end Web Freelance, Diamond Minding Ltd.

*I developed a website for the company to help them grow their business and present their services. Note that the site has been handed over but is undeployed as the company is not currently operating.*

<http://diamondminding.github.io>

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.*

<http://www.gpb.eu>

## Education

2013-2017

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

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.

### FULL PROJECT WORK AND PORTFOLIO

<http://toaster.cc/portfolio>

## Extracurricular

Completed the DofE Gold and Bronze awards.

## Contact

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Last updated: November 21, 2018