

Angus Pearson

CTO, Robotical Ltd.

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Web & Portfolio: <http://toaster.cc>

GitHub: <https://github.com/AngusP>

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Nationality: British and Australian

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)

Work & Experience

Jun 2017 - present
Robotical Ltd. Chief Technical Officer (CTO)
Managing and actively developing core product and company technical applications and supporting systems.
<http://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 Cortex M4 microprocessor as part of a Summer 2016 internship.
<http://robotical.io/>

Sept 2013 - present
Tardis Project Systems Administrator
The project is a long running student-led systems and network administration 'sandbox' with roughly

760 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>

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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