Angus Pearson

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WEB	https://toaster.cc
GITHUB	https://github.com/AngusP
NATIONALITY	British, Australian
DOB	1995-02-18

Overview

Previously the CTO for Robotical, an educational robotics company based in Edinburgh. Graduated in 2017 from The University of Edinburgh in Artificial Intelligence and Computer Science (First Class, Honours). My interests and experience are broad both professionally and personally. Professional interests range from AI, ML, cryptography, distributed systems and HCI to robotics, electronics, hardware & product design. Personally, I'm an avid reader, in to politics & economics, and also enjoy photography, walking, skiing and popular science.

Technical

LANGUAGES	Python, C, HTML, CSS, LaTeX, *some experience with* JavaScript, Bash, C++, Java, Haskell, PHP
TOOLS	Git, Flask, Celery, NumPy, MatPlotLib, TF, NLTK, Hadoop, Virtualisation, CI & APM
DATABASES	Redis *(Contributor), some experience with* SQL (PostgreSQL, SQLite, MySQL)
HARDWARE	KiCAD, EAGLE, FreeRTOS, *some experience with* Verilog on FPGAs

Work & Experience

Jun 2017 – Dec 2019

CTO, Robotical Ltd.
Engineering and managing core product, development team, technical applications, company IT and supporting systems.

- Design, Development and Deployment of: web analytics and content optimised for search (SEO), MRP/ERP systems, eCommerce, product marketing, customer support, user engagement and user documentation, digital marketing, print media, cloud infrastructure, ops and IT management.
- Product design, embedded systems design and software for *Marty the Robot's* control board, including design for manufacture, design for production at scale, (~500,000 units+), and production test fixtures.

https://robotical.io

Jun 2016 – Jun 2017

Software and Electronics Engineer, Robotical Ltd. (Internship + Part Time)
Developed the control board for the robot as part of a Summer 2016 internship. Continued to work as a part time engineer during the following university year.

Sept 2013 – Jun 2017

"Tardis Project" Systems Administrator
Student-run systems and network administration rack server 'sandbox', with 1000+ users. Administration involves server hardware deployment, virtualisation, networking, software service deployment, configuration and maintenance. During my time administering the sytem a full migration on to new

hardware was completed.
http://wiki.tardis.ed.ac.uk

Jan 2017 -
May 2017

System Design Project Course Demonstrator, University of Edinburgh
The SDP course involved building a small wheeled robot, computer vision system and strategic control system to play robot football, based on the Robocup Small Size League. The role involved guiding a team of students through the course, checking on progress and helping the team organise.
http://www.inf.ed.ac.uk/teaching/courses/sdp/

Dec 2014 -
Jun 2015

Full Stack Web Contract Developer, GPB Consulting (Content Analysis Web App)
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 (University of Edinburgh Computing Society)
Including organising of two large hackathons, 'Hack the Burgh' (Major League Hacking) and 'The Smart Data Hack', event management, financial management, logistics, marketing and sponsorship negotiation with companies including Google, Microsoft, Amazon, Bloomberg, Capital One, JP Morgan and Accenture.
http://comp-soc.com – http://2015.hacktheburgh.com – http://smartdatahack.org

2012

Arkwright Scholar, Stannah Lifts Group
Design and Technology Scholarship, included a 2 week internship where I developed a MP3-backed electronic sounder for a lift, that allowed different sound profiles to be loaded via a SD card.
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 and Artificial Intelligence, University of Edinburgh
First Class, with Honours

SOME COMPLETED COURSES:

Machine Learning Practical	*Artificial Intelligence Large Practical*
Introductory Applied Machine Learning	*Reasoning and Agents*
Processing Formal and Natural Languages	*Extreme Computing*
Database Systems	*Probability & Applications*
Human-Computer Interaction	*Algorithms, Datastructures & Learning*
Intelligent Autonomous Robotics	*Robot Learning & Sensorimotor Control*
System Design Project	*Operating Systems*
Embedded Systems	*Computer Architecture*

Last updated: January 29, 2020