

# Angus Pearson

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GITHUB <https://github.com/AngusP>  
NATIONALITIES British, Australian

## Objective

Independent, self-starter, keen learner and interested in many things. Recently graduated from the University of Edinburgh in 2017 with Artificial Intelligence & Computer Science (First class, honours). Working in Edinburgh as the CTO for Robotical, an educational robotics company. My interests & experience are broad, both professionally and personally, ranging from AI + ML, cryptography and HCI to circuit board design, fabrication and robotics. Personal interests include reading, politics & economics, graphic design, photography, typography and popular science.

## Technical

LANGUAGES Python, C, HTML, CSS, ~~TEX~~, and some experience with JavaScript, C++, Haskell, Bash, PHP  
TOOLS Git, Flask, Celery, NumPy, TensorFlow, Matplotlib, NLTK, Hadoop, Docker  
DATABASES Redis (*Contributor*), SQL (PostgreSQL, SQLite, MySQL)  
HARDWARE Linux, KiCAD, Eagle, some experience with Verilog on FPGAs

## Work & Experience

- Jun 2017 – Present CTO, Robotical Ltd.  
*Actively developing and managing core product, technical applications and supporting systems*
- Design, Development and Deployment of: web analytics and content optimisation for search (SEO), MRP/ERP systems, eCommerce, product marketing, customer support, user engagement and user documentation, digital marketing, print media, Cloud Infrastructure and IT systems 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+), production test fixtures.
- <https://robotical.io> · <https://martytherobot.com>
- Jun 2016 – Jun 2017 Software & 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 – present “Tardis Project” Systems Administrator  
*Student-run systems and network administration rack server ‘sandbox’, with 1000+ users. Administration involves server hardware deployment, virtualisation, networking, and software service deployment and maintenance. Since starting on the project a migration to new hardware has been completed.*  
<http://wiki.tardis.ed.ac.uk>

- Jan 2017 - May 2017      System Design Project Team Mentor and 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. Mentoring involves guiding a SDP team 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 Ltd. (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 (Edinburgh University 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 & Artificial Intelligence, University of Edinburgh  
 FIRST CLASS WITH HONOURS

### SOME COMPLETED COURSES:

<i>Machine Learning Practical</i>	<i>Artificial Intelligence Large Practical</i>
<i>Introductory Applied Machine Learning</i>	<i>Robot Learning &amp; Sensorimotor Control</i>
<i>Intelligent Autonomous Robotics</i>	<i>Extreme Computing</i>
<i>System Design Project</i>	<i>Human-Computer Interaction</i>
<i>Reasoning and Agents</i>	<i>Probability &amp; Applications</i>
<i>Embedded Systems</i>	<i>Computer Architecture</i>
<i>Operating Systems</i>	<i>Algorithms, Datastructures &amp; Learning</i>