

1 EARLY YEARS

- fixing neighbours computers 2008
- building simple robots that navigated my room 2008
- piano grade 6 2009
- irish math olympiad 2010
- printing my own circuit boards using chemicals and a laser printer in my room 2011

2 SOFTWARE PACKAGES

self taught in various software packages and programming languages

- Solid Work (Computer Aided Design) 2011
- Sibelius 6 (Music Notation and Composition) 2012
- Python 2013
- MATLAB 2015
- Mathematica 2016
- LaTeX 2017
- EMACS with AUCTEX 2017

3 MOOCs

I worked through the following online courses in 2015 and 2016

- Machine Learning: Andrew Ng; Coursera
- Introduction to Programming with MATLAB: Vanderbilt University; Coursera
- Introduction to Computer Science using Python; EDX; MIT; Other MOOCs partially completed
- Introduction to Mathematical Thinking, Keith Devlin
- Machine Learning, Pedro Domingos
- Introduction to Logic, Michael Genesereth
- Artificial Intelligence, Berkeley, Dan Klein and Pieter Abbeel. 5. Differential Equations, Coursera, Paul Blanchard