

# Alexander Carter

Email: [ac2522@bath.ac.uk](mailto:ac2522@bath.ac.uk) | Phone: (+44)07901778830

## Education

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<b>University of Bath BSc Mathematics, expected degree: 1st</b>	2017-2020
<ul style="list-style-type: none"><li>Bath Gold Scholar (1 of 50 students)</li><li>Data structures and algorithms: exam 83% coursework 96%</li><li>Artificial intelligence: exam 85%, coursework 85%</li></ul>	
<b>Pearson College UWC - full scholarship (1 of 2 out of over 1000 students that applied)</b>	2015-2017

## Relevant Experience

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<b>Jump.work:</b> Sentiment analysis, text similarity, machine learning, database exploration	06-09/2019
<ul style="list-style-type: none"><li>Improved targeting accuracy from an f1 score of 1.8% to 53.5%</li><li>Automated categorisation of customer service emails with self-generating analysis reports</li></ul>	
<b>Teaching Python:</b> From basics to data scraping, Pandas and Sklearn	2018-Pres
<b>University of Bath:</b> Built a database, and led an independent research study	06/2018
<b>GFC Economics:</b> Involved teamwork, report writing, creative thinking and market analysis	2014-2017
<b>Led a team of private researchers:</b> Successfully grew client base for Vancouver Writers' Exchange	02-03/2017
<b>The MET Office:</b> Utilized Python to form weather models and presented ideas on improving outreach	06/2014

## Personal Projects

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<b>Poker game:</b> Currently building web application and designing a reinforcement deep learning framework to play against	Present
<b>Trading:</b> Automated scan for best priced football odds, based on deep learning model	10/2019
<b>Argument bot:</b> Scanning Twitter for comments with negative sentiment and responding with alternative opinions using GPT-2	09/2019

## Additional Experience

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<b>Young carer:</b> Looking after my older sister who suffers from OCD, extreme dyslexia and anxiety	2013-Pres
<b>Volunteering:</b> Music festivals with Oxfam, caring for the incapacitated	2017-2019
<b>Finance Society Secretary:</b> Weekly newsletters, networking events, market outlook sessions, organizing a conference	2017-2018
<b>TEDX talk:</b> Flaws of the UK mental health services	01/2017
<b>Formed and chaired a Current Affairs group:</b> Led full week of workshops at local school	2016-2017
<b>The SCA:</b> Cutting trails in Alaska, cleaning culverts in Michigan, building bridges in Tennessee	2015-2017
<ul style="list-style-type: none"><li>Led emergency evacuation: maintaining calm, radioing Rangers and assigning tasks</li></ul>	
<b>Experience firefighting:</b> Certified in advanced wilderness and general Red Cross First Aid	2015-2017
<b>Tutoring kids:</b> Providing academic assistance to struggling kids	2014-2015
<b>National finals for the UKMT</b>	2014

## About Me

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<b>Technical Skills</b>	Python · Tensorflow · Django · Java · MATLAB · R · SQL · Git · Non-linear modelling
<b>Currently learning</b>	CSS · HTML · C++ · Haskell · Pytorch
<b>Languages</b>	Fluent in French · Proficient in reading Latin
<b>Interests</b>	Acting · Hiking · Chess · Writing short stories