

Patrick Ferris

SECOND YEAR COMPUTER SCIENCE STUDENT AT UNIVERSITY OF CAMBRIDGE

Education

2017 - 2020	Pembroke College, University of Cambridge <i>Studying for BA Hons Computer Science</i>		
2015 - 2017	International School of Toulouse <i>International Baccalaureate Diploma (45/45)</i>		
	HL Mathematics (7/7)	HL Business Management (7/7)	HL Music (7/7)
	SL Physics (7/7)	SL English Literature and Language (7/7)	SL French (7/7)
2013 - 2015	International School of Toulouse <i>General Certificate of Secondary Education, 9A* and 1A</i>		

Programming and Experience

3 Month Internship with Health Data Insight as a Data Analyst [Python and SQL]	<p>As part of the Index of Suspicion Project, I worked on analysing cancer patient data and building Tensorflow machine learning models to predict likelihoods of getting cancer with a focus on Recurrent Neural Networks and particularly those developed by Edward Choi of Georgia Tech.</p> <p>This role also saw me making and giving presentations to the Board of Directors, arranging team meetings, contributing to a potentially publishable paper and attending KDD 2018.</p>
Personal Website	Personal website for experimenting with web technologies including GatsbyJS , ReactJS , GraphQL , SASS and much more: www.patrickferris.me
Building an Air-Pollution Weather App	This involved building the backend API in Java for accessing the required data from Open Weather Map.
Python and Tensorflow Twitter Analysis	Using python to scrape websites like Twitter and building neural networks or other machine learning models to analyse the data. In the future I will also be contributing to the open-source ml5 project .
Pacer App - iOS Development	Using Swift and Xcode , I developed an iOS app that allows you to keep a plan of future runs and convert paces between miles and kilometres.

Projects & Hobbies

Editor-in-Chief of Hacker's at Cambridge Blog	I enjoy writing blog posts about new ideas I have had or things that I have learnt. This includes the word2vec embedding model but also using javascript libraries to help teach physics.
Running	Keen runner and have taken part in runs to raise money for Alzheimer's Research UK whilst running the Cambridge Boundary Run Half-Marathon. Currently training for the full marathon in 2019.
Sponsorship and Web Development Team member for Hack Cambridge 2019	Contacting and negotiating with sponsors for our event as well as helping build and maintain our website. I am also Editor-in-Chief of the Hacker's at Cambridge blog and have also contributed posts to freeCodeCamp.
Music	In my spare time, I play the guitar and listen to music.