

ELLIE BIRBECK

CONTACT

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PROFILE

I'm a recent M.Eng Computer Science graduate of the University of Bristol, interested in exciting opportunities in technology companies around the world.

EDUCATION

University of Bristol 2013 - 2017

- M.Eng Computer Science, First Class Honours
- Awarded the Bloomberg prize for 'Best Final Year Project in Machine Learning'
- Areas of interest include artificial intelligence, internet economics, high-tech enterprise

University of Oregon 2015 - 2016

- I spent the third year of my degree studying in the USA, achieving a First Class

Twyford C of E High School 2006 - 2013

- AAAA grades at A-Level in Maths, Further Maths, Computing and Geography
- A grade for an EPQ titled 'The applications of digital steganography in terrorism'
- 7 A* grades and 5 A grades at GCSE

EMPLOYMENT

Software Engineer, Mi Àguila Jul 2017 - present

I'm currently interning at a tech start-up in Bogotá who provide transportation services to corporate clients across Colombia. I'm working mainly in machine learning, building prediction models with an accompanying API and dynamic map interface to anticipate driver demand.

Workshop Presenter, Digimakers Oct 2016 - Jun 2017

Delivered hands-on computer science workshops to children in events held at the At-Bristol science museum, the University of Bristol, and local schools and conferences.

Marketing Coordinator, Digimakers Nov 2014 - Jun 2015

This role involved getting a younger generation interested in computer science, through social media event promotion, writing web/blog content, and creating/maintaining client databases.

Other Work

Further employment over the past seven years includes working as a security steward at Wimbledon, a university tour guide, a bartender, a bookseller, and a florist's assistant. I have also carried out some more entrepreneurial endeavours such as starting my own business producing and selling film merchandise online.

RECENT PROJECTS

Tweets To Trades May 2017

My dissertation project involved machine learning and sentiment analysis of stock-related tweets for directional price predictions. I also wrote a business plan for an information subscription service for day traders to use the results of my research.

Rate My Plate Feb 2017

A Twitter bot that calculates the carbon footprint of a meal from a tweeted photo. Created with four others in a 24-hr Boeing Hackathon, winning the prize for 'Best Implemented Prototype'.

StressLess Dec 2016

An interactive stress ball created for a group project, which uses pressure sensors to collect a range of metrics that can be utilised through our connected API (controlling lighting, music etc.)

SKILLS AND ACHIEVEMENTS

I have several achievements from my skills in mathematics, including Gold Award for the UKMT Senior Maths Challenge of 2012 (and the Junior Challenges of 2007 and 2008). I was selected for Mathematics Masterclasses at the Royal Institution of Great Britain every year from 2009-2013, and was part of the Ri's Maths department on a work experience placement.

At school I developed leadership skills through being elected Head Girl and House Captain among other roles. This involved managing the student leadership team, speaking at public events, chairing the school councils, representing the student body at Governors meetings, and organising several charity events.