

ELLIE BIRBECK

LOCATION

Bristol / London

CONTACT

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WEBSITE

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PROFILE

I am a student at the University of Bristol, graduating in June 2017 with a MEng degree in Computer Science with study abroad.

EDUCATION

University of Bristol 2013 - 2017

I'm currently averaging a First Class and have studied the core concepts of programming, data structures, and algorithms, as well as more interdisciplinary areas including the economics of the internet, sustainable technology, animation production, and interactive devices.

University of Oregon 2015 - 2016

I spent the third year of my degree in the USA, overall achieving a First Class mark in units including machine learning, artificial intelligence, spatial analysis, and 3D computer imaging.

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

Workshop Presenter, Digimakers Oct 2016 - present

Delivering hands-on computer science workshops to children in events held at the At-Bristol science museum and at the University of Bristol.

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 six 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 a small business selling film merchandise online, some freelance web and logo design, and profitably trading the forex market, indices, and bitcoin.

RECENT PROJECTS

Tweets To Trades present

My dissertation project involves sentiment analysis of stock-related tweets to predict directional price movements. I'm also writing 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 '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.