

James Hancock - Curriculum Vitae

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I'm a second-year student studying Computer Science with Innovation at the University of Bristol. As part of my course this year, I've been consulting for Vodafone and Knowle West Media Centre on innovation projects. My personal website can be found at jhancock532.github.io, which contains links to my GitHub and CodePen profiles.

Academic Qualifications

AS-Level: A grade in Computer Science, German, Physics, Maths.

A-Level: A* in Computer Science and Physics, and an A in Maths.

Academic performance at university: Awarded a 1st for first year examinations.

Employment

Internship at Vodafone: Summer 2018

Reporting - I was tasked with creating new reports, reporting on current performance indicators, as well as looking into the current reporting system to find areas for improvement. I automated all the reports I designed and showed how existing reporting could be automated.

Analysis - I investigated how two different pricing systems operated, looking closely at differences in costing and why they came about. I presented the results to my manager, based on their feedback I performed further analysis and then presented to senior management.

Documentation - I created documentation for the current work processes my team were using. I tested all the processes by following them myself, which enabled me to fill in for other employees when they were unavailable. I also created the tutorial material for a new work management portal, which previously had no user documentation.

Data processing for the Arcadia Café: Summer 2017 - I originally spent my summers as a dishwasher at the Arcadia Café. My previous employer at the Arcadia rehired me to manage a part of the Arcadia's accounts. I worked closely with her to create a system that she could then reuse with ease after I left to go to university.

Sales and Design work, at T-Shirt City: Summer 2017. - I worked directly with customers to create a custom t-shirt design as they wanted it. I quickly became competent with the software tools and started teaching other employees shortcuts to make their work more efficient. When not working with customers, I started an eBay shop for sale of t-shirts online.

References are available on request.

Computer Science Projects

Twitter Analysis (2016-2017)

I created a Python program which collected a rich assortment of data from twitter accounts. I scaled the operation and ran a study on the tweet contents of over 100,000 UK accounts, exploring themes such as the impact of using emojis on online popularity.

I researched the science behind personality analysis through text, then created an app to display a personality breakdown of a chosen twitter user. I performed live demonstrations with members of the public to show possible future consequences of leaving their data unprotected online.

Awards include:

- **Best use of ICT Award at Sentinus Young Innovators, 2016**
- **Runner up Senior Engineering Prize at the Big Bang Fair, National Science and Engineering Competition, 2017**
- **Invitation to the Swiss Youth Talent Forum, 2017 (One of three UK representatives)**

Visualising Functions (2017)

I created a website and set of tools to visualise R^2 functions. I then demonstrated to judges how the concepts behind the work could be applied to create a music visualiser.

Awards include:

- **Winner of Best Maths Project Award at Sentinus Young Innovators, 2017**
- **Senior Science Project Award at Sentinus Young Innovators, 2017**

Extracurricular Activities

Consulting: I worked as part of a team consulting for the Environment Agency, carrying out a survey exploring why students weren't signing up to flood warnings. My role was focused on interaction with the campaign website itself, I facilitated focus groups with students exploring this issue. Our findings backed up the work prior consulting groups had performed, and was then used as evidence for updating the website layout. I won third place in a team case study competition hosted by the Bristol Consulting society.

Society Responsibilities: I am the junior chairman of University of Bristol Zen society, and interfaith representative for the society. I am also active on the committee of the Innovation Society, under the role of social events organiser: I organised the societies first non-alcoholic event, in a collaboration with the Creative Society.

Volunteering: While completing the Bristol PLUS award, I worked at the Oxfam Online shop. I wrote persuasive descriptions for the items being sold, specializing in hard to sell items. I priced, photographed and listed a vintage Hornby model railway collection, of over 50 unique pieces.

References are available on request.