

James Hancock - Curriculum Vitae

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I am currently studying Computer Science with Innovation in my second year at University of Bristol. This year I am taking an open unit on German, I'm studying to B2 level. I'm excited to learn more about web development: my personal website can be found at <https://jhancock532.github.io/> which contains links to further coding projects.

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.

University academic performance, 1st Year examinations: 1st

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.