

Alexander D Brown

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I am a Masters-level Software Engineering student with a publication in an IEEE-sponsored Image and Signal Processing Conference and an enthusiasm for teaching.

In previous workplaces I have often been praised for my enthusiasm and can-do attitude; often demonstrating I was able to work well independently, as well as with a wide range of people; from school children to senior members of management.

Education

Aberystwyth University
MEng Software Engineering

Aberystwyth
2009 - 2014

Currently achieving a mark of a low first/high 2:1 after four years of study, including a single year of industry at IBM Hursley.

Produced a highly marked (78%) third year project entitled "Kyffin Williams: Digital Analysis of Paintings", which also resulted in a paper for the **8th International Symposium on Image and Signal Process and Analysis (ISPA)** entitled "Can we date an artists work from catalogue photographs?"

This paper was later presented at the conference in Trieste on 3rd September, 2013 and was co-authored with the project supervisor, Hannah Dee; PhD student at the Aberystwyth School of Art, Gareth Lloyd Roderick; and a Professor of Digital Humanities at the National Library of Wales, Lorna M. Hughes.

This third year project was also presented twice at the British Computer Society (BCs) Show and Tell event twice at Aberystwyth University, gaining good feedback from members of the audience including members of staff in the Computer Science department

Volunteered as part of the Technocamps project at the university, teaching school children aged 11-15 year basic electronics and programming for them to be able to build semi-automated robots.

Good knowledge of program design, architecture, data structures and algorithms with high marks in modules relating to these topics, including "C and UNIX Programming" (70%), "Program Design, Data Structures and Algorithms" (76%) and "Developing Internet-Based Applications" (70%).

Work Experience

IBM
CICS Level 3 Service Tooling Engineer

IBM Hursley
2012-2013

Responsible for designing and developing useful Java-based tools for the CICS Level 3 Service team, including an eclipse plug-in to print out information required for code reviews and a large system to automate the delivery of fix patches for CICS Eclipse-based products, which hooked into many internal systems with the help of the Open Services Gateway Initiative (OSGi) framework.

Also responsible helping for designing updated work items for all service teams in the eclipse-based agile management server: Rational Team Concert (RTC), so that all teams could use a single tool to pull these work items from the old mainframe-based system into RTC. This involved attending several meetings and gathering the requirement for the CICS Service team to ensure that they could continue to perform their work without large changes.

Skills and Experience