Alexander D Brown

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I am a Masters-level Software Engineering student with a publication in an IEEE-sponsered Image and Singal Processing Conference and an enthusiam 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 — Aberystwyth
MEng Software Engineering — *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 — IBM Hursley
CICS Level 3 Service Tooling Engineer — *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.
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 disruption
Maintained and improved several systems for generating statistics for problem reports and the processes

for fixing these problems. One system is a Java Enterprise WebSphere server running a Java EE application using a DB2 database and hosted on a CentOS Enterprise Linux server.
Lead a team of three IBM employees to run a Java-master at Swanmore School of Technology, to get school children aged 13-15 years introduced to programming in the Java programming language at a basic level. These sessions ran for the course of three months.
Helped teach several Java sessions internally within IBM to help members of the Level 3 CICS Service team and Industrial Trainees gain the skills and knowledge needed to use Java in their jobs. This teaching was mentored by an IBM employee who had been a lecturer from the University of Southampton to help decide the content of these sessions and the teaching style involved.
Organised the inductions for the 2013 intake of Industrial Trainees for their first two days at IBM, this induction was to get them settled into the Hursley labs and to give them the necessary information to work as part of IBM.
This required networking with both managers of each trainee to ensure they had the equipment and logins for their roles, as well as members of upper-management to present introductory talks at each of the three inductions. This was done as part of a team of three, with the help of industrial trainee and graduate managers.

Aberystwyth University Department of Computer Science
Demonstrator *2011-2012*

Skills and Experience