Daniel Beglin

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Personal Statement

Daniel is a Computer Science student who has actual experience from within the IT industry and has both led and followed in a variety of workplaces. A passionate programmer with expertise in Python, familiarity with the C style languages and proficient with common CASE tools. Dan is additionally a good team player, an excellent communicator and has exceptional time management skills.

Technical Experience

- **Programming:** Java, Python, C, C++, C#, Lua.
- **Web Development:** SQL, HTML, CSS, Wordpress, Drupal.
- **Operating Systems:** Windows, OSX, GNU/Linux.
- **CASE tools:** Eclipse, Bash, Git, Visual Studio, UML Modelling.

Experience

Robotics Simulation Research Intern

Coventry University (Summer 2015)

- Created simulations of various robots using Lua and learnt the entire VREP Lua API to do so in a week.
- Various Simulations included creating a colour recognition system, a path finding robotic system and an object-avoiding controller.
- Wrote a feasibility report on the VREP software for academic research use at Coventry.

Project Developer

Home Automation Systems (Dec 2013 – Sep 2014)

- Worked on developing a smart doorbell from "off the shelf technologies"
- Developed software to manage smart home interconnectivity.
- Involved in creating an open source automated blind system.

Web Developer

MediaWorkx Creative Digital (July - Nov 2013)

- Produced all of the visual elements for various websites.
- Responsible for overseeing and managing all the development that had been outsourced abroad.
- Debugged and edited the backend development of all the websites.

Projects

PyGeoBot – During my first year at university, our coursework was to produce a virtual robot that searches and sorts treasure. I went beyond the basic brief to create a software application which interfaces with Google Maps API and a custom "Image to Array" API. PyGeoBot went on to score 96% when it was marked. I learnt a lot about software development, project management and external libraries while creating the project.

Crayon Twitter Bot – An automated twitter feed I created in a day. I created a twitter bot that posts a Crayola crayon colour, its hex code and an image of the colour daily. The Twitter bot is still up and running and through the intense development cycle I learnt how to work to a strict deadline and deepened my understanding of programming and API's.

Education

Degree

Coventry University (2014 to 2018) - BSc Computer Science (Achieving 1st)
Including Modules: Programming (91%), Business Information Systems (74%), Designing for Usability (89%), Computer Architecture and Networks (71%), Algorithms Programming and Data Structures, Software Engineering.

A-Levels

Plantsbrook Sixth Form
(2010 – 2012)
General Studies – A
Information Technology – B
Philosophy and Ethics – B
History – C

GSCEs

Perry Beeches Secondary School
(2005 - 2010) Including:
Mathematics – A
English Language - B
Science – A/A*
Information Technology – 4 x Merit

Volunteering

I help run The Well Youth centre in an under privileged area of Walsall. This includes planning sessions, writing budgets and submitting proposals for funding. I also teach some "learn to code" sessions at the centre, helping 5-9 year olds learn how to program simple computer games.

Personal Interests / Achievements

I also enjoy reading, computer gaming and programming. This year as a member of IEEE, I took part in the IEEE 24 hour Extreme Programming challenge and placed 7th in the UK.

References

Available upon request