Harry Messenger

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Profile:

Third-year computer science student at Lancaster University. Creative but logical and analytical thinker. Great teamwork and "people" skills. Good understanding of the workings of business and of corporate life. Passion for computing and communications, with a specific focus on web development. Experience using technologies such as Laravel, Nginx, GitHub, Vagrant, PHP, HTML, Jquery and MySQL.

Education:

2013-present: Lancaster University

MSc Computer Science (with Industrial Experience). First year minor in Organization, Work and Technology (OWT).

- Distributed Systems module – learning programming paradigms for remote invocation and concepts of distributed programming (using Java RMI) and also into the security involved.
- Web applications modules, including Basic insights into web languages (PHP, HTML, CSS, Javascript) and more advanced concepts such as scaling and distribution
- Databases modules (MySQL and SQLite, insight into the structure of databases, the systems used to control them and continued insights into DBMS, relational algebra and normal forms)
- Insights into programming (C, Java, Assembly, Python)
- Artificial Inteligence and Machine Learning modules. Basics of algorithms and clustering involved in this.
- Further concepts of OO programing and operating systems (Java, C)
- Abstract data types, algorithms and efficiency
- Introduction to networking. Basis of IP,UDP,TCP and understanding of layered networking model of the internet.
- Management and organizations - understanding of the basic historical fundamentals of organizations and management.
- Group project to build and design a video game, was the team leader involved in planning and preparing the implementation for the game. This involved planning of time management (creation of Gantt charts and activity network with critical paths), team management (allocation of tasks each week according to team members' skills) and social management.
- Individual dissertation project – "VirtualCane – A Smart walking stick for the blind"!

2005-2012: Boroughbridge High School, North Yorkshire
A-Levels: (2012)
Maths (A) Chemistry, Music (B) General Studies (A*)

GCSE: (2010)
Maths, Music, Chemistry, Physics (A*)
8 other subjects including English, French and Biology (A)

Work Experience:

June 2015-October 2015:
Web Development Intern
Responsible for incremental system improvements to the companies' existing order-tracking application (Laravel 4.1, PHP, MySQL), including full migration to Github from existing technology. Also working with external companies beginning new projects to move the companies' overall technology presence forward, for example a warehouse management system and a new website for a spin-off company. I was also responsible for the full process of recruiting, interviewing and hiring a full time developer to take over my responsibilities at the end of the summer.

July 2014-October 2014
Chemtrac Web Intern - The Reach Centre, Lancaster
Three month full time internship, developing SQL queries and PHP data validation for new database API. Also assigned to write a web-based system to track company leave requests and holiday allocations in PHP/HTML/JQuery/MySQL, successfully completed in the allocated time. Worked as part of a very small (3 man) team. Also conducted a companywide hardware survey and advised on potential future upgrades to hardware.

October 2012- September 2013:
Trainee Railway Signaling Engineer - AMEY consulting, York
Varied responsibilities including organizing and cataloging the digital and physical records used by the company, most notably for the Harrogate area resignalling renewal records return (2012) - I had to manage and control the physical and digital changes and locations of well over 1000 individual records. Other skills used were networking via email and phone with NRG, developing contacts and relationships with customers and employers such as Network Rail, NRG and various other service industry companies.

Other employment
Work experience (June 2009) - ADVA optical networks, York
Educational placement learning about the logistics of business and sales, the running of international businesses, warehouses, stock control, rotation, and specific placement in the IT department helping build an ipv4 and ipv6 test network.
Shopkeeper, Marton General Store (June 2012 – March 2013)
Waiter, The Oak Tree Inn, Helperby (March – June 2011)

Interests:

Music:
I'm a talented musician, I have learnt the violin since I was 5 years old, hence a passion for various styles of classical music. I've played with groups in concert venues such as the Royal Academy of Music, The Sage Gateshead and Leeds Town Hall, as well as performed with orchestras and small groups for over 10 years. I am currently the leader of the university orchestra, and also lead a String Quartet.
Computing:
I have an interest in computers, and building computers. I've designed 12 computers which have been built, and had a fun time building 7 of them. I am a member of various forums for computer hardware. I am passionate about keeping up with the "cutting edge" of technology, and I also have done some contracted builds and general PC maintenance at previous jobs.

References: Available on request or from HarryMessenger.co.uk.