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Career Profile

An ambitious and reliable software engineering graduate seeking an entry-level position in a competitive development studio outside of the United Kingdom. I have a passion for both software development and innovative end products, and have proven myself to be flexible, hard-working and react well under pressure in both my studies and my employment.

Education

2013-16 **BSc Software Development**, University of Liverpool, First class.

Relevant Modules include:

- Mobile Computing (91%)
- Software Engineering II (73%)
- Robotics and Autonomous Systems (94%)

- Multi-Agent Systems (91%)
- Software Development Tools
- Principles of C and Memory Management (86%)

- Placed third out of thirty students in the Computer games design Robocode competition.

As part of my final year project I designed and implemented a Java program able to dynamically compose music using the jMusic package. This helped to enhance my independent research skills as well as improving my planning, presentation & time management skills. The code for this project can be found at https://github.com/Ben-Henshall/jMusic-composer. I achieved a grade of 71% for this module.

For my group project in second year, I helped to design a Java Server/client application which included a persistent MySQL database and integrated Google maps that ran on a Raspberry Pi. My role included the design and implementation of the GUI and filtering logic as well as full testing of the software. We achieved a grade of 68% for this assessment.

2010-13 **BTEC Level 3 extended Diploma in IT**, Newcastle-under-Lyme College

Achieved a final grade of D*D*D.

2005-10 **GCSEs**, Sandon High School

7 GCSEs, all grades A-C. Includes English, Maths and Science.

Work Experience

May–August 2012 **Reiko Kaneko Ltd**, General Workplace Assistant (Part-time)

Worked alongside the owner entrepreneur to reduce workload when the business moved into a new building. Responsibilities included decorating, packing/shipping orders and occasionally speaking to customers about their order.

Skills gained: Gained insight into how small businesses are run; learnt how to effectively communicate with clients; adaptability

May–Sept 2011 **Emma Bridgewater**, Kitchen Staff (Work Experience/Full-time)

Originally started as work experience in the design studio/office, but was given the opportunity to excel when helping out the kitchen staff with a stakeholder's dinner of around 200 people. The kitchen manager was so impressed with me that he offered me a full time job working in the kitchen. Responsibilities included sorting documents, data entry, working as a team to provide customers with top food and service, while also handling disgruntled customers.

Skills gained: Improved ability to work together in a team; refined communication and social skills; working in a pressure filled environment; time management

July 2009 **Easat Radar Systems**, Office assistant (Work Experience)

Worked with antenna designers in an office environment for 2 weeks which included data entry of dimensions for pieces, making tea and learnt how to use the CADCAM software. In addition, I was shown how the business was run between 4 different sites, giving me an admiration of the logistical aspect of a large business.

Technical Skills:

Programming Languages	Where used	Competency level
Java	Many university assignments including my group software project and final year project, as well as several "daily programming" tasks to further my proficiency.	High
C, C#	C module, game project in college	Medium
Objective-C/Xcode	Produced several assignments for Mobile computing as well as learning about the concepts behind Objective-C structures/functions	Medium
SQL	Database assignment/Ontology Querying (SPARQL, very similar), creation/insertion using SQLAlchemy	High
HTML/CSS	Built several smaller websites during college/university	Medium
JavaScript and Node.js	University assignment and local beginners Node course	Medium
PHP	Several university and college assignments	Medium
Python	Passion projects for games which includes scripts to create several hundred Pokemon accounts, hosting local webservers and creating/inserting into a MySQL database using SQL alchemy.	Medium

Platforms	Where used	Competency level
Windows	Used Windows as main operating system for 15 years.	High
Unix	Played around with TAILS and a version of Ubuntu tailored for the Raspberry Pi.	Medium
Apple	Used an iOS phone for 5+ years, also used an apple Mac for mobile computing assignments.	Medium

Development Tools	Where used	Competency level
Junit testing	Studied and implemented in assignments for university.	Medium
Git	Learnt about use of general source code management systems in university, learnt basics of Git.	Medium
Apache ANT	Learnt about and implemented Apache ANT building into and assignment.	Low

Non-Technical skills:

- Team work – Worked full time in a job that required staff to work closely with one another to reach their goals as well as achieving a first in our group software project.
- Communication – Along with working as a unit, the full time kitchen job allowed me further my communication skills with customers and staff alike.
- Leadership – I took the lead in the group software project and delegated tasks accordingly, while also specifying rules for completing those tasks to ease the task of integration, such as everyone using the same spacing/font for consistency.
- Time Management & Planning– University has been full of tight time constraints and as a result I have developed excellent time management and planning skills to increase my grades.

Hobbies and Interests

- I speak beginner level German and am working towards becoming fluent.
- In 2014, I represented the University of Liverpool pool society in a singles tournament in Great Yarmouth.
- I spend a large amount of my spare time playing video games, mainly MMORPGs, enjoying the culture surrounding them as well as the amount of statistical analysis available due to their depth.
- I enjoy reading, mainly science fiction, which includes authors such as Isaac Asimov and Douglas Adams.
- I take great interest in developments in artificial intelligence and the ethical/philosophical issues surrounding them, which intersects nicely with a lot of the science fiction general, especially Asimov.
- I watch a large amount of films and in 2010 finished my aim of watching every film in the IMDB top 100 list. My favourite directors include David Lynch and Paul Thomas Anderson.

References

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