Dragos Romario Rosu

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Professional Experience

2015 - *2016* Code ComputerLove - Software Developer:

2013 - 2014 Industrial Placement - CIVICA - Software Developer:

Put in practice the techniques taught at University to quickly grasp the technologies the company used and made myself a real asset for the team.

- **Nominated for the best team in CIVICA:** The team I was working in came second place at best team awards in the company and I would like to think I played an important role in this.
- **Skills and knowledge acquired:** C# and OracleSQL and other specific Microsoft technologies: WCF, EntityFramework, ServiceBus, WPF. Other skills: SCRUM Agile development and pair programming.

Education

2011 - 2015 The University of Manchester

BSc (Hons) Computer Science with Industrial Experience

Degree result 2:1   Overall results: 63%

- Developed an excellent IT foundation by combining the skills and knowledge taught at University with practical experience.
- Regularly worked in small size teams to plan, design and develop projects, employing techniques such as agile and pair programming.
- Further improved my algorithmic thinking by participating in challenging puzzle solving events and competitions.
- Acquired the ability to view a problem through different perspectives: the client, developer and investor view and also the skill to combine them in order to produce a solution that will benefit all the involved parties.

Notable courses and themes:

- Advanced Algorithms
- Software Engineering and Patterns
- Computer Architecture
- Computer Networks
- Computer Graphics and Image Processing
- Databases
- Human Computer Interaction
- Logic and Modelling, Verified Development
- Documents and the Web
- Distributed Systems and Mobile Systems

Manchester Ultimate Programming and achievement:

Conducted around 20 presentations. Organised one 24 hour hackathon where I managed to put my networking skills into practice to acquire sponsorship for prizes and catering.

- **Most Innovative technical approach award:** Awarded at the "Open Source Hackathon". Teamed with a PhD student to create a project called "Group My contacts". I suggested using pair programming with the Cloud9 IDE and git on the separate tasks. Analysed

Voluntary work

Helping others has always been in my nature so I became both a PASS Leader and a Student Helper.

- **PASS Leader:** Pear assisted study sessions is a student support scheme where new students have the opportunity to interact with their peers. I acted as a facilitator and a mentor to my group steering them in the right directions, helping them find the right resources and develop the ability to overcome problems.
- **Student Helper:** Represented and presented the University in a real and positive view to both students interested in higher education and their parents.

The outcome was a big bonus for me as both activities shaped me into a better person, an empathetic person, able to relate and help others with their issues.

Skills

IT

Programming Languages: C#, Java, C, Python, HTML, Assembly,OracleSQL, MySQL, PHP.

Applications: .NET, Visual Studio, Azure, Git, AC3D, Latex, Office, Play Framework, Cloud9, Eclipse, Netbeans, VMWare, OpenGL.

Linux environment: Became very familiar with UNIX operating systems by tackling different advanced topics: virtualisation, caching, penetration testing, client-server architectures.

Servers and Networking: had setup MMO game server that used a MySQL database. Experimented with TCP and UDP protocols for use in games. Experience working with virtual machines, setting up servers and maintaining them.

Languages

Romanian: native.

English: IELTS 7.0

French: basic conversational level.

Driving

Full clean driving licence.

Hobbies

Sports: Being very good skier it made me aware of surroundings and refined my ability to pay attention to details at a finer grain. Swimming has taught me the values of endurance and perseverance that enabled me to pass through many difficulties.

Gaming: Games are a very good tension reliever for me and also the first reason that got me to wonder how computers work.

Diplomas and other achievements

Finalist HackManchester 2015 - `http://www.codecomputerlove.com/blog/2015/10/finalists-at-hack-manchester-2015/`

- **NCC Group University challenge first prize** - penetration testing challenge.