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Benjamin Jakobus

Education	2012 – 2013 Imperial College London

MSc Advanced Computing

- Thesis: "AutoPig - Improving the Big Data user experience"
- Thesis grade: 80%
- Overall grade: Merit

2007 – 2011   University College Cork

BSc Single Honours Computer Science

- Year 4: First Class Honours in all modules (5H1)
- Year 3: First Class Honours in all modules (5H1)
- Year 2: First Class Honours in all modules (5H1)
- Year 1: First Class Honours in all modules (5H1)

Secondary	1995 – 1999	Michel Buck Schule	Germany
Education	1999 – 2001	Goleen National School	Ireland
	2001 – 2007	Schull Community College	Ireland

(Leaving Certificate 515 out of 600)

Subjects   Advanced Databases, Machine Learning, Computer Vision, Distributed Algorithms, Program Analysis, Adv. Issues in. OOP, Argumentation and Multi-agent Systems, Prolog, ISO, Computer Security, Functional and Logic Programming, Parallel and Grid Computing, Software Engineering, E-Commerce, Web Programming, Middleware, Artificial Intelligence, Logic Design, Multimedia, Software Project Planning, Software Development, Data Structures, Enterprise Software, Network Computing, Operating Systems Architecture and Programming, Skills for Economic Interpretation, Introduction to Programming, Internet Computing, Systems Organisation, Foundations of Computer Science, Economic Foundation and Principles.

Languages   Java, PHP, Haskell, Prolog, SAL, C#.NET, VB.NET, SQL, Groovy, Python, ASM, JavaScript

Professional

2013 – Present   IBM   Dublin, Ireland

Software Engineer

- Collaboration Solutions, IBM Software Group, IBM Ireland Product Distribution
- IBMbassador
- Deliverable results in PHP, JavaScript, HTML, CSS.

2011 – 2012   Freelance   Ulm, Germany

Software Engineer

- Helped co-found an Irish start-up (Projection Point Ltd).
- Contracted for contributions to 'GeoMonkeyEngine' – a 3D maritime GIS (by Planet Mayo Ltd).
- Consultancy for Total Project Solutions Ltd.
- Various web-development projects.
- Deliverable results in Java, PHP, JavaScript, HTML, CSS.

2010 – 2010   Transas Marine   Cork, Ireland

Intern / Software Developer

- 6-month internship as part of my BSc in Computer Science.
- Designed and implemented a prototype marine traffic system.
- Deliverable results in PHP and Java.

2009 – 2010   School of Medicine   Cork, Ireland

Software Developer, Research Assistant

- Hired as Software Developer and Research Assistant.
- Research into risk intelligence / behavioural science.
- Tutored graduate entry medical students.
- Deliverable results in PHP and Java.

2005 – 2009   Cork Constraint Computation Centre   Cork, Ireland

Software Developer, Research Assistant

- Hired as Software Developer and Research Assistant throughout summers and the academic year.
- Worked on several AI projects including CREEDS (Constrained Reasoning Extended to Enhance Decision Support), using Java, VB.NET, PHP, HTML, JS and CSS.

Achievements

- Departmental Scholarship, Imperial College London, 2012.
- Graduated at the top of the Computer Science class of 2011, scoring a total of 88.8%.
- Awarded title of "College Scholar" due to academic achievements for the consecutive period of 2007 – 2011.
- Awarded the "College of Science, Engineering and Food Science Certificate" in recognition of excellence in 2011 examinations.
- Contributor to the popular Open Source APIs "*jMonkeyEngine*" (2010 - 2011) and "*jReddit*" (2012).
- "Prescience" by Evans and Jakobus was shortlisted for the "UCC Invention of the Year Award", 2009.
- Holder of a Science Foundation Ireland UREKA Grant, 2008.
- Finalist at the All Ireland Schools Programming Competition, 2005.
- Completed an introductory course in algorithms, University College Cork, 2005.
- Completed an introductory course in C, University College Cork, 2004.
- Qualified skydiver - BPA B licence (which requires a BPA A licence, 50+ jumps, jumpmaster rating, CH 2 rating, special operations briefing)

Journal publications

"*Towards next generation VTS; Improving the VTS Operator Experience*", Gebruers, Jakobus. Journal of Navigation. **Pending submission**.

"*Belief in the Paranormal Correlates with Lower Risk Intelligence*", Evans, Ayoub, Jakobus, Siskind, Burgoyne, Blackmore. Journal of Personality and Social Psychology. **Submitted – pending review**.

Papers and posters presented at conferences and symposia

"*Risk intelligence: what is it, and how can we measure it?*", Dylan Evans, Benjamin Jakobus. Paper presented at the Security and Human Behavior workshop (SHB2010), University of Cambridge, 28-29 June 2010.

Misc contributions

"*Debugging Constraint Models with Metamodels and Metaknowledge*", Freuder, Wallace, Nordlander. Contributors: Jakobus, Buadhacháin.

References   Available upon request.