

SEAN WILSON



✉ Flat 7, 65 Church Street, S35 0AB

☎ (+44) 07825 290 535

🌐 spb.wilson@gmail.com

I am a master's graduate from the University of Edinburgh with a love for cutting edge technology and design. I am constantly inspired by innovative applications of computer science, from bipedal robotic learning, to the latest interactive software. During my studies I focused on the field of artificial intelligence, and I believe this to be a key aspect of immersive digital experiences. I enjoy programming for open-source platforms such as the Leap Motion and the Pebble smartwatch, and I am excited to continue exploring and developing creative, innovative software.

📖 EDUCATION

University of Edinburgh (2008 - 2013) Master of Informatics (MInf), 2.1

- Integrated honours and master's programme, specialising in robotics and artificial intelligence
- Thesis: "Optimising Robotic Kicking Motions Through Reinforcement Learning" (Grade: 73%)
- Member of the University of Edinburgh Robocup team, Edinferno (2011 - 2013)

Modules include:

- | | |
|---|-------------------------------------|
| • Mathematics for Computer Science | • Computer Graphics |
| • OO, Functional, and Logical Programming | • HCI & Cognitive Science |
| • Robotics & Vision | • Algorithms & Data Structures |
| • Applied Machine Learning | • Computer Communication & Networks |
| • Reasoning & Agent Based Systems | • Distributed Systems |
| • Computer Animation & Visualisation | • Parallel Programming |

Dunblane High School (2006 – 2008) Highers and Advanced Highers

- Highers: Computing (B), English (B), Maths (B), Physics (B), Technological Studies (B)
- Advanced Highers: Computing (A)

🔧 DEVELOPMENT SKILLS

Languages

- | | |
|-------------|----------------------------|
| • Java | • Prolog |
| • Python | • Haskell |
| • C and C++ | • HTML, CSS and JavaScript |
| • Matlab | • XML and SQL |

Software

- Netbeans and Eclipse IDEs for Java
- JIRA issue and project tracking software
- Junit testing
- OpenGL

👍 RELEVANT EMPLOYMENT

Graduate Software Engineer, Full Time (November 2013 – August 2014)

KANA (A Verint Company), Glasgow, Scotland

- KANA provide on-premises and cloud solutions for customer experience management
- Using Java, JBoss, jQuery, JavaScript, XML, SQL, HTML, CSS and KANA's in-house toolkit
- Contributing to every stage of a product release cycle and providing ongoing customer support
- Working in a global cross-collaboration environment with dynamic teams of 3 to 8 software engineers

Software Testing and Market Research, Full Time (May – July 2011)

Crocodile Clips (Sumdog), Edinburgh, Scotland

- Performing daily tests on live and beta code for the Sumdog educational games website
- Identifying and confirming bugs reported by users, and managing tasks with Pivotal Tracker



OTHER EMPLOYMENT

Swimming Instructor (Aug 2010 – August 2013)
Swimming Nature, Edinburgh, Scotland

- Planning and delivering swimming lessons
- Providing feedback to customers and managers
- Creating pre-competitive level training plans

Catering Assistant (October 2009 – May 2010)
Sodexo Prestige, Edinburgh, Scotland

Officer Cadet (October 2009 – May 2010)
University Air Squadron, RAF, Leuchars, Scotland

- Learning to pilot a Grob 115 aircraft
- Developing leadership skills
- Team-based development and training

Retail Advisor (August 2006 – January 2010)
River Island, Stirling, Scotland



SKILLS & QUALIFICATIONS

Other Computer Skills

- Familiar with Linux, Windows and OSX
- Experience with Hadoop map-reduce for GFS
- LaTeX (document mark-up language)

Sports

- UKCC Teaching Certificate (Swimming), Level 2
- National Rescue Award for Teachers (NRASTC)
- PADI Advanced Open Water Diver



AWARDS

Edinburgh Award: Work Experience (2013)
Awarded by the University of Edinburgh

- Recognition of extra-curricular work experience
- Identifying and improving transferable skills
- Weekly aims and personal reflection on progress
- Attending employment skills workshops

Citigroup Prize: System Design Project (2011)
Awarded by Citigroup

- Award for best overall system design
- Project aims: design, program, and build an autonomous robot, able to realise, navigate, and score against an intelligent opponent



INTERESTS

Technology

- Video game design and development, specifically agent behaviour and mechanics
- Website and application development
- Custom desktop building
- Researching new technological developments
- Space and autonomous robotics

Sports

- Played American football for Edinburgh Uni.
- Mountain biking and snowboarding
- Rock climbing and mountaineering

Other Interests

- Architecture, landscape, and product design



REFERENCES

Mr. Douglas Johnson
Team Lead at KANA

(Contact details available upon request)

Mr. Craig Mathieson
Area Manager at Swimming Nature

(Contact details available upon request)