Niall Martin CV

Home Address: Mullantlavan, Magheracloone, Carrickmacross, Co. Monaghan
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Personal Profile

Computer Science & Information Technology graduate from NUIG. Have comprehensive experience working with the object-oriented paradigm, mainly through extensive use of the C# and Java programming languages. Also have knowledge of scripting languages, mainly through my use of JavaScript, frameworks like Knockout JS, and HTML. Committed and hard-working individual looking for a rewarding career in the field of software engineering. For more detailed information, visit niallmartin.com.

Competed Projects

(Source code for these projects are available at https://github.com/NiallFMartin)

➤ A fully featured Athletics Management web application. Developed using ASP.NET MVC and Entity Framework. Written in C#. Includes the following features:
- Performance data logging saved to an external Microsoft SQL database.
- Trend analysis of athletes' performance throughout the year
- Generation of set performance goals determined by the athlete's existing results
- Comparison of athletes' key performance data for squad selection
- Tested extensively through multiple unit tests.

➤ Java RMI based Exam System. Was a member of a two-man team for a project consisting of a client-server model where a student (client) could download an assessment object from the server, complete the assessment and then upload is back to the server for correction.

➤ Information Retrieval System. Developed an Information Retrieval System written in C# from scratch. Given a query, it computes the Cosine Similarity between the query and a number of documents, and returns a ranked list of all relevant documents relating to that query using a modern weighting scheme (TFIDF).

➤ Personal Website. Developed using ASP.NET MVC and written in C# and razor HTML. Viewable at niallmartin.com

➤ Map Reduce Cluster Simulation. Implementation of the MapReduce programming model using Java.

➤ SIR Model. Implementation of the SIR epidemiological model of a village implemented using R.

Education

Sept 2012 – June 2016: Bachelor of Science (Computer Science and Information Technology), National University of Ireland, Galway

➤ Graduated with a **2:1,** topics covered include
- Distributed Systems & Co-Op Computing
- Real Time Systems
- Advanced Professional Skills
- Graphics & Image Process
- Computer Security and Forensic Computing
- A final year project (Athletics Management web app, detailed above)
- Software Engineering
- Artificial Intelligence
- Machine Learning & Data Mining
- Modern Information Management
- Systems Modelling and Simulation

Sept 2006 - June 2012: Leaving Certificate, Patrician High School, Carrickmacross, Co. Monaghan
➢ Achieved 485 points in my Leaving Certificate examinations.

Employment History

April 2015 – September 2015, Intern Software Engineer, Storm Technology Ltd.
➢ Was a member of a team developing an internal work management system. Developed using C#, was an ASP.NET MVC application to give complete project and resource breakdowns.
➢ Provided comprehensive orientation for new employee drafted into the work management system team.
➢ Tester for the new Bus Éireann website booking system. Created and ran test cases using Microsoft test manager. System now released at http://www.buseireann.ie/

May 2013 - September 2013 & June 2014 - September 2014, Human Resources Member, Monaghan Mushrooms Group
➢ Member of team tasked to launch of new TMS(Time Management System) on UK Monaghan Mushrooms sites.
➢ Organised interviews for long term sick employees. - Assisted in facilitating requests from claim solicitors for employees filing claims
➢ Assisted in, and later was administrator for employee fingerprint scanning system (Adding new employees, removing past employees, etc.)
➢ Took part in employee recruitment process (replying to applications, setting up interviews, etc.)
➢ Assisted in the employee salary payment process (sending out cheques, added banking details for new employees)

June 2012 - September 2012, Information Technology Worker, Monaghan Mushrooms Group Duties:
➢ Implemented asset tagging and management system throughout Monaghan Mushrooms sites.
➢ Member of team tasked to introduce and implement new system that distributed employee payslips via email. Worked in collaboration with HR department and other team members in IT.
➢ Administered IT support to Monaghan Mushrooms employees.

Skills Profile & Personal Endeavours
➢ Have developed a personal website at niallmartin.com.
➢ Have gained proficiency in my communication skills, though my work in Software engineering, IT support and Human resources.
➢ Hold a full driving license.

Interests & Hobbies
➢ Gaelic football - Played on various underage teams with my local club (Magheracloone GFC) and would still follow their progress closely. Am also an avid fan of the Monaghan team.
➢ Indoor bowls - Play with my local club Magheracloone, hold all-Ireland titles.

References
Name: Denis Cronin   **Position:** Delivery Lead in Storm Technology Ltd.
Relationship to me: Supervisor during my internship
Email: dcronin@storm.ie

Name: Dr. Michael Schukat   **Position:** Lecturer in Department of Information Technology at NUIG
Relationship to me: Final Year Project Supervisor
Phone: 091 492031 **Email**: michael.schukat@nuigalway.ie