Sean Harkin

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Nationality	Irish
Date of Birth	5-Sep-1994
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Education

2013-2017 : Bachelor of Computer and Electronic Engineering, National University of Ireland Galway

Final Grade	Second Class Honors Grade II (German Equivalent: 2.95)
Projects	**Final Year Project**: Partner Selection evolutionary computation. Research based project into the effect of partner selection methods in Genetic Algorithms. Involved the development of a Genetic algorithm on which to test a number of partner selection methods written in C#. The Algorithm implemented a number of features including Elitism, Epistasis and Mutation.
	Second Year Project: Musical Device built with Arduino. Built a one string guitar using servo motors and an Arduino programmed in C it was able to play simple song, the project was completed by a team of five. It received 10 out of 10.
	First Year Projects: Built a bridge out of Spaghetti,Truck Race , Programmed a Robot to complete a Obstacle course done in C .
Completed Modules	Programming (I & II) (Java), Software Engineering, Embedded Systems, Distributed Systems and Cooperative Computing, Telecommunications Software Applications, Machine Learning and Data Mining, Real Time Systems, Professional skills.

2007 -2013: Leaving Certificate , Dunshaughlin Community College, Co Meath

Final Grade	450 Points
Subjects	Engineering, History, Physics, Maths, English, Geography, Irish,

Work Experience

Jan-16 - Aug-16	Web Development Intern, ProMetrics Inc, King of Prussia PA, USA
Responsibilities	Develop data driven web applications for pharmaceutical clients. This involved the writing of clean and reliable code using JavaScript and Angular, Interpreting wireframe designs and implementing them in code using HTML, Twitter Bootstrap and SASS . Writing JSON configuration files for Highcharts charts. Writing SQL stored procedures to format and sort data from our database. Writing and editing unit tests and test scripts. Building and maintaining relational databases using the Entity Framework.Worked in a agile development environment.
Technologies Used	JavaScript (Angular), HTML, SASS, C#, SQL Server, GIT , .NET , Visual Studio
2010-2016 Other Jobs	Barman Boston Arms London, General Operator SD installations London, General Operator Copperview Construction Co Meath

Skills & Achievements

Technical: Proficient in Java, JavaScript, C#, HTML, CSS,SASS also have experience with a number of technologies such SQL Server, Mongodb , Angular 2 and TypeScript , C , Node JS and Highcharts. Currently learning Node JS and Mongodb using a course on Udemy.

Languages: Native English speaker and have basic understanding of Irish. Currently learning German.

Teamwork: Worked on a number of team projects during the course of my degree program. Have played of team sports including rugby, Gaelic football, Hurling and Soccer.

Achievements: Completed 2015 Dublin city marathon.
Interests and Hobbies : Programming , Running, Traveling , Reading.