Alex Doherty

Software Engineer

- 21 November 1996
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Education

Dublin City University
MEng in Electronic & Computer Engineering
2019-2020
First Class Honours

Dublin City University
BEng in Electronic & Computer Engineering
Major in High-Speed Communications
2015-2019
Second Class Honours Grade One

Skills

CSharp (Dotnet)
Python
GIT
JIRA
Azure DevOps
Squish test automation
SpecFlow (Gherkin Syntax)
Windows Application Driver
Linux

Hobbies

Mountain Biking
Football
Tennis
Surfing
Snowboarding
Reading
Weightlifting

Work Experience

Sep'24–May'25	**Travel Sabbatical**	Asia, Australia, South America, Europe

Travelled to 11 countries across 4 continents

Jul'23–Sep'24	**Software Developer in Test**	IES

Created automated tests framework
BDD test framework for building energy performance simulation engine
Worked in CSharp with Microsoft tech stack

Oct'22–Jul'23	**Software Test Engineer**	Boston Scientific

Software development in CSharp and test development in Python
GUI test automation using Squish
Working closely with Fluidics, Firmware and Software teams

Jul'21–Oct'22	**Software Process Engineer**	Boston Scientific

Software development in CSharp to assist in manufacturing automation
Testing software processes in manufacturing equipment and equipment validation

Mar–Jun'21	**Automation Engineer**	Bookhaven

Developed Python programs to improve efficiency of shipment and manual tasks in warehouse

Projects

Jul'23–Sep'24	**Simulation engine test framework**	IES

Created test framework to access results from simulation engine
Implemented algorithm to convert results (and other files) to a human readable format
Implemented pipeline for automated testing

Oct'22–Present	**Automated Fluid Tester**	Boston Scientific

Test library development for automated testing of product
Creation of test methods to test subsystem requirements of unreleased product for design verification
CSharp and Python development for interaction with R&D product

Aug'22–Oct'22	**Lasermark Auto Recipe Select**	Boston Scientific

Implemented upgrade to select correct laser marking for medical implant
Interaction with MES & use of OPC

Sep'21–Jun'22	**Software Upgrade for Manufacturing Systems**	Boston Scientific

Reviewing all of the manufacturing software systems on site to assess the impact of SAP S/4HANA upgrade
Updating & validation of systems not compatible with the upgrade

Skills

Teamwork
Worked as part of teams for large and small projects
Effectively able to divide tasks and increase productivity of project

Report Writing
Technical reports have been written throughout degree and work experience
Reports include technical details of projects along with usage details

Organisation
Able to prioritise tasks in terms of importance and manage time effectively

Achievements

Object Oriented Programming in C# Certificate
Achieved February 2022