

Fergus Hunt

huntfe@tcd.ie
086 237 9618
fergushunt.com

Education

BA (Mod) - Computer Science - II-2 (58) - Trinity College Dublin *September 2014 → August 2018*
Key Subjects: Advanced Computer Architecture, Telecommunications,
Algorithms and Data Structures, Software Engineering

Abbey Community College, Boyle *September 2009 → June 2014*
Leaving Certificate 2014: 505 points

Skills

Java, C/C++, C#, Selenium WebDriver, Amazon Web Services (AWS), Git

Software Development Experience

Ultan Technologies - Intern Developer *January 2018 → December 2018*
Dublin 3

I worked on several projects during my time at Ultan Technologies, both internal and external. I redesigned the public-facing company website, working closely with the Sales Manager for the design and content of the site. I also created an automated testing application and built an automated file management system, both of these projects are described in more detail below.

Skills I gained include:

- Completed large software development projects in a set time-frame.
- Setting up and maintaining servers using Amazon Web Services (AWS).
- Proficiency at communicating clearly with customers and coworkers in a professional environment.
- Delivering products to external customers' requirements in a specified time-frame.

Ultan Technologies Internship Projects

Custom File Management System

- I created an automated file management system that organised automatically generated files based on file metadata, which were then made available to a client
- I created a program to organise files based on their metadata, this needed to execute quickly as a large number of files were generated and the program was run hourly
- I set up an AWS EC2 server with FTPS to allow the external user to access a subset of the files, the client had access to a folder to which files less than 30 days old were passed
- Setting up a new server reduced the load on the original EC2 instance
- This system allowed the client to create a visualisation of the data that was updated every hour

Website Auto-Testing Application

- I created an application to test the processing of data uploaded by users to a hosted system
 - I extended a pre-existing framework using Selenium WebDriver to log onto the website and download the data to be tested
 - I used the Excel interoperability library to move the data downloaded to the correct rows in preformatted test sheets, and to adjust the calculations performed at runtime based on the different types of data that were downloaded
 - This application allows developers to run tests faster and more often, so bugs can be caught quickly and corrected
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Additional Experience

ZipIt Forest and Adventure - Instructor
Lough Key Forest Park, Co. Roscommon

April 2015 → September 2017 (Part-Time)

I worked as an instructor in a treetop adventure course. My role included teaching groups of customers how to use the course and equipment in a safe manner. I also monitored and supported the customers as they proceeded along the course. I worked as part of a dynamic team to ensure we provided an efficient and excellent customer service to the highest safety standards. This included carrying out daily safety checks on the course and the equipment, along with completing maintenance and repairs when necessary.

Skills I gained include:

- Experience in teaching and coaching a group of customers in a new and challenging skill.
- Encouraging people to attempt something about which they were nervous.
- Working in a team to keep customers safe and satisfied during their experience.
- Achieving a Trained First Aider qualification.
- Receiving a European Ropes Course Association (ERCA) certification as a High Ropes Course Instructor.
- Experience in carrying out comprehensive safety checks in a set time period.

TrailBlazers Bike and Outdoor Store - Mechanic
Carrick on Shannon, Co. Leitrim

February 2012 → January 2014 (Part-Time)

I worked as a bike mechanic in TrailBlazers. I assessed bicycles to determine what work needed to be carried out on them and gave an estimate of the cost to the customer. I built and tested new bikes for customers and made sure they were completed to the high standards of the shop. I assisted with cash handling and updating the store's social media accounts when necessary.

Skills I gained include:

- Carrying out repairs to bicycles in an efficient manner.
 - Working accurately to a tight timeline.
 - Assisting customers with their queries.
 - Cash handling.
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References available on request.