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Summary

A second year student of Computer Science expecting to achieve a first overall. Passionate for creating scalable software, keen to contribute ideas and engage in solving business challenges as a team member.

Intent on offering more than just the ability to write code; but also the awareness to act as a team member who can be actively involved in team discussions and always be eager to make a contribution.

Having worked in Australia as an extension to the mining industry and being exposed to the way in which industries outside of software rely on technology to

employ the efficiency required to fulfil their customers needs launched a desire to contribute to software development; to become a part of the team that provides technical solutions.

Winning ownership of the student review submission for the QAA review during the second year of university required the honing of strong communication skills. The result was a successful final meeting with members of the QAA board and senior staff members to conclude the review.

Personal Projects

Advent of Code Challenge

JAVA - REGULAR EXPRESSION

Owner

AoC is an annual code challenge. Completing the challenges required similar code in many instances. Wrote two helper classes which automate the unpacking and extraction of salient data from an input file. Salient data was outlined by the instructions and which were converted into REGULAR EXPRESSIONS, and development followed TDD principles.

Finite State Machine

JAVA

Owner

Written after learning of the significance of State Machines as the simplest form of computing in every day life. Having understood computing is not limited to electrical computing, expanded a perception of how algorithms and computing in general translate from abstract concepts to an order of rules in a digital space to achieve a desired outcome.

Black Jack Card Game

JAVA

Owner

Implemented using an object orientated approach. Expanded an understanding of data structures and embedded an appreciation of the benefits gained from having implemented the principles of the separation of concerns.

Noteable School Projects

Three Tier Web Application

PHP - SQL - AJAX - HTML - JAVA SCRIPT

Owner

Completed a web application which allowed users to make accounts and upload their own content for others to browse - a freecycle.org imitation.

Increased knowledge of treating data appropriately according to its role within a given application. Exemplified by the delivery of a product that protected users credentials from data theft, and the server from SQL injection attacks. Additional safeguards such as limits on the types and sizes of files that can be uploaded were also included.

Music Database

MYSQL - SQL

Owner

Learnt the fundamentals behind database normalisation following ANSI/SPARC and how to write SQL statements that would interrogate upward of 2-3 tables at a time. Although the database was not attached to any external application the project consolidated the concepts of how data is stored and how to access it efficiently.

Skills

Technical expertise: Java, comfortable with PHP and C#, XML, worked with the Spring framework, the SOLID principle, Test Driven Development, Version control, OOP, knowledge of Agile methodologies, Design Patterns, Iterative approach to the SDLC, SQL, familiar with MySQL, Linux based operating systems - Bash, VMware, DOM, AJAX, Regular Expressions.

Education

The University of Greenwich

2013-present

Bachelor degree in Computer Science

Focused on practical use of technology and programming, and how to build software that interacts with many other moving parts.

First Year

JAVA - SQL

First class

Second Year

SQL - PHP - JAVA SCRIPT - AJAX

First class

Achievements

Lead Student Representative

This role established an appreciation for the challenges in communicating across departments and how to overcome them. Having assessed that gaining feedback may be difficult, created multiple formats for student reps to submit their opinions, such as: online, paper based, verbally at meetings, and polls. The intent was to avoid a situation where feedback from departments was missing due to student representatives feeling uncomfortable with any one format.

Owning the project necessitated an active participation. Ensured that the project was on schedule and meetings were organised. The meetings involved writing up objectives and working to arrive at some agreement. The results were positive and culminated in a successful, well substantiated and representative report.

Work Experience

Pepenero Restaurant

2013 - PRESENT

Assistant Manager

Working as waiting staff in a restaurant affords many opportunities to take control of a situation and use initiative to either prevent or rescue a situation where the customer is inconvenienced, especially during the busy hours when there are more than 100 customers seated. Preventing or rectifying disruptions is predominantly about communication with team members, resulting in having developed a strong sense of belonging to a team to achieve the best service.

Apple Aluminium Australia

2012 - 2013

CNC Operator

The time spent working as part of the CNC team at Apple Aluminium Australia helped develop task organisation skills by having separate projects of varying lengths and levels of intricacy running alongside each other, requiring mindfulness of the bigger picture while not being distracted from the fine details of the tasks at hand.

Volunteer

TCV - The Conservation Volunteers

Volunteer

The Conservation volunteers work through out London on improving green spaces. There are new volunteers working with TCV at almost every new site. This improved the approach taken to working with new teams and lead to better being able to adapt to find a place within a team, when to take a lead and when to allow other to step-up and take charge.

Interests

motorcycles/motorcycle restoration, bouldering/rock climbing, programming podcasts/blogs (Uncle Bob), live music, open source, StarCraft, Formula 1(engineering), reading, Olympic lifting.

References available on request