**Conor Collins**

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**SUMMARY**

Dedicated, results-driven student with a passion for solving complex problems and creating innovative solutions. Enjoys learning new technologies and seeking Internship opportunities in Software development and Software testing. Experienced in and collaborative team environments. Proficient in multiple programming languages including Python, Java, and JavaScript, with a strong foundation in data structures and algorithms.

**IT SKILLS**

**Software Design and Development**

* Confident developer in Java and Python.
* Capable of front-end and back-end development of websites using Django, JavaScript, CSS and HTML5.
* Developed a full stack application using the MERN stack (Innovation Marketplace Tool).
* Familiar with software development methodologies such as Agile, Waterfall, and Scrum.
* Familiar with operating systems such as Windows and Linux and familiar with Cloud environments such as Azure and Google Cloud.
* Experienced in version control systems such as Git and platforms like Github and Azure DevOps for collaborative coding.

**Databases and Data Analysis**

* Can write SQL queries for data retrieval, modification, and manipulation to an intermediate level using Oracle 11G.
* Can analyse data using tools like Excel, Jupyter Notebook.
* Familiar with using Python for data analysis, including libraries like pandas, and NumPy.

**Testing and Debugging**

* Familiar with testing and debugging with UnitTest and Selenium. Practise test driven development.
* Proficient in creating pull requests and resolving merge conflicts to ensure smooth code integration.
* Have experience with Test Café for end-to-end testing of web applications.

**General Skills and Qualities**

**Problem Solving –** Demonstrated effective problem solving throughout my work experience and various projects by breaking down the problems I’ve faced and developing innovative solutions.

**Adaptability –** I believe being able to adapt to a situation or problem allows me to not only see things from different perspectives but keeps me motivated when solutions aren’t clear.

**Continuous Learning** – The ability to experience things positive or negative, and always take a lesson away from it, that I can use for my future is something I think is essential and I am very proud of.

**Communication** – Communication was a big part of my 2nd year project, and a part I really enjoyed. I believe it’s an integral part of any work environment and think it’s one of the main reasons that allowed my project partners and I to receive a high grade for our work.

**Education and Qualifications**

**September 2021 – Present:** Technology University Dublin - Tallaght Campus

**Course:** BSc in Computing with Software Development **GPA:** 3.2

**2nd Year Modules:** Software Development 3 **(B)**; Software Quality Assurance and Testing **(B)**; Advanced Database Technologies **(C+)**; Network Fundamentals **(B)**; Client-Side Web Development **(B+)**; Discrete Mathematics 2 **(A)**; Software Development 4 **(B)**; Project (**A**); Data Administration and Analysis (**B**); Routing & Switching Essentials (**A**); Information Security (**B+**); Management Science (**B+**)

**1St Year Modules: 1st Year Modules studied**, Visual Design and Used Experience **(B)**; Computer Architecture **(B)**; Business & Information Systems **(B+)**; Systems Analysis **(C+)**; Software Development 1 **(B+)**; Critical Skills Development **(B);** Operating Systems Fundamentals **(B)**; Discrete Mathematics 1 **(B)**; Software Development 2 **(B)**; Social Media Communications **(B)**; Database Fundamentals **(B)**

**Significant Projects Undertaken**

**Cinema Booking System:** A Team project involving the development of a cinema booking website, where users could pick from a selection of movies, choose a time and screen to view that movie, select any extra snacks/beverages, confirm the order, and use the Stripe payment system. Admins could add/update/delete movies. Users could also login/logout and signup, leave reviews and select filters to find movies.

**Challenges faced:**

* Creating a system for users to sort through many movies using various filters.
* Connecting selected movie, time chosen, seat selected, snack option for final payment price.

**Technologies and Tools used:** Python, Django, unitTest, Selenium, HTML/CSS/JavaScript, Bootstrap, SQLite

**Final Grade received:** A

**Work Experience**

**2/2024 – 8/2024 – Consultant Developer Intern – Guidewire Software – Blanchardstown, Dublin**

I worked in an Agile environment. I developed a full stack MERN application to group Guidewires various tools for easy viewing and utility. I was part of a pod focused on developing a testing portfolio dashboard, where I gained experience using Java, React, TestCafe, and TeamCity. This enhanced my skills in both software development and automated testing.

**7/2023 – 2/2024 – Sales Associate – The Health Store – Swords, Dublin**

Provided expert guidance to customers seeking wellness products and supplements, showcasing my in-depth knowledge of our product offerings. Developed important relationships with customers to provide the best possible, personalised service. Accepted orders, managed inventory and restocking accordingly.

**11/2020 – 05/2023 – Building Caretaker – Capital Clean – Lusk, Dublin**

Safely operated industrial cleaning machinery, conducted in-depth quality inspections to meet quality standards, established positive relationships with site users. Skilled in maintaining cleanliness and implementing effective sanitization practices to ensure a safe and healthy environment. Able to collaborate effectively with building management, maintenance staff, and contractors to ensure smooth operations.

**Interests and Achievement**

* 2024 - Volunteered in 3 separate events including a tree planting event, a beach clean-up event, and a RSPCA event.
* 2024 – Participated in Guidewires Hackathon with the theme of LLMs, where my team placed 1st and won a drone.
* 2020 - 2 world records in the AIPO Powerlifting Federation.
* 2019 - Travelled to Finland through the Erasmus programme to spend a week with a Finnish family.