Harry Jones

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Computer Science Undergraduate

Summary

An intelligent, dedicated and highly committed individual with excellent attention to detail and a strong command and understanding of English language and grammar. A confident and personable communicator at all levels, with demonstrable ability to pick up new skills quickly. Currently in employment, with a years' experience in the University of Nottingham's Computer Science course, looking for opportunities within the computer science industry to build both experience and a career path.

Technical Experience

Languages and Software – Python, Java, C, Lua, SQL, JavaScript, PHP, HTML, CSS, PHPMyAdmin, MySQL, FileZilla, Vue

GitHub – Employed use of GitHub for both university and personal projects, improving personal ability to develop software in a team setting.

Web-Dev – Experience in both front and back-end web development, including the use of APIs to gather data from external sources, as well as creating stylesheets for selectable themes.

Library Creation – Created libraries for use in university and personal projects, improving code readability and codebase organisation.

Database Management – Used databases through MySQL and PHPMyAdmin to increase data storage efficiency for use in multiplayer game servers, as well as web development.

API Integration – Used several APIs for university and personal projects to gather external data, reducing local processing thus increasing software efficiency.

Personal Projects

F1 Prediction Leaderboard – Python, FastF1 API, Google Sheets API

- Both FastF1, and Google Sheets APIs were used to gather data on the F1 championships and member predictions, as well as modifying spreadsheet data to update scores and display information.
- Used Object Oriented Programming to create objects for all aspects of the system including members, F1 teams and drivers, as well as championship standings.
- Created an accuracy-based scoring algorithm, where an increasing number of points were awarded based on how close the prediction was to the correct position of each value.
- A terminal menu was implemented for the back end, providing more information on all aspects of the system including an option to update the spreadsheet data, reducing unnecessary processing, and increasing the efficiency of the program.

General management of community-based game servers – Lua, Team management, FileZilla

- Managed several server administrative teams by organising staff meetings, recruiting new staff and managing the responsibilities of existing staff ensuring a robust admin team.
- Managed the development and maintenance of multiple 128-player servers using Lua and FileZilla to resolve issues, improve efficiency and introduce new features, ensuring a positive user experience.
- Managed the documentation and response on community forums, including user suggestions, issues, and update notes, providing transparent information to the player base.

Education

Computer Science Undergraduate   Sept 2022 – Dec 2023

University of Nottingham

- Graduated 1st year involving modules regarding C, Software Engineering, AI, Databases, Java, OOP, GUI development, Haskell, and GitHub.
- Submitted high quality coursework, resulting in high 1st grades for Programming, computer fundamentals and systems and architecture.

Access to Higher Education Diploma   Sept 2021 – July 2022

Kirklees College

- Gained an Access to Higher Education Diploma in Humanities and Social Sciences, with 39 out of a total 45 credits being awarded distinction.

Work experience

Costa Coffee - Skilled Barista   June 2021 - Present

JD Wetherspoon - Bartender & Team Leader   November 2019 – June 2021

Morrisons - Customer Assistant   September 2019 – November 2021

Marks and Spencer - Customer Assistant   October 2018 – May 2019

Specific Skills acquired:

- Extensive experience working in a team-oriented, high-pressure environment.
- Extensive experience interacting with the general public.
- Experience training new members of staff, as well as taking on a managerial role in busy commercial periods.

Hobbies and Interests

Music – Spent 6 years playing as 1st Trombone in Gawthorpe Brass 85, the height of which being the performance of a solo during a competition at the RNCM.

Gaming – Sim Racing, FPS, Driving Sim.

Bouldering/Climbing – Member of a bouldering club from June 2022.