

Calum Kerr

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Summary + (Projects)

A computer science student at Edinburgh Napier University, actively using skills learned in studies to help develop a PDF processing website called *RevisePDF*. After learning from development mistakes from a previous attempt which is still live with some working tools, *SnackPDF*, I am now focused on creating a more optimised and efficient platform. Gaining experience with Python libraries such as PyMuPDF for text extraction and using various APIs to manipulate PDFs effectively. Additionally, I've learned how to deploy websites to the internet using platforms like Heroku.

Professional Experience - Greene King Limited

Front of house team member | Lasswade, Scotland, United Kingdom | July 2022 – Present

- Trusted with closing responsibilities, including securing the premises, locking doors, and ensuring the bar and restaurant are cleaned and prepared for the morning team.
 - Develop strong communication and teamwork skills, improving confidence when interacting with customers and colleagues.
 - Take orders, deliver food, and process payments efficiently, maintaining accuracy.
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Education

- **The Open University:** Certification, Technologies in Practice (TM129)
 - **Edinburgh College:** Foundation Apprenticeship (SCQF 6), Software Development
 - **Dalkeith High School,** Certification: SCQF 7: B | SCQF 6: AAABC | SCQF 5: AABBBB
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University

Bachelor's, BSc (Hons) Computer Science (Full-Time)

- **Advanced Web Technologies**
After developing the first version of *SnackPDF*, I used it as a foundation to create *RevisePDF*, a more optimised and maintainable platform. This module introduced base templating techniques, significantly reducing code redundancy and simplifying page creation. I also explored SEO backlinking strategies to improve search engine indexing and website visibility.
 - **Data Analytics**
Focused on transforming unfiltered databases containing inconsistencies into clean, numerical, and nominal datasets for analysis. Used *Weka* software to apply various data mining techniques, gaining insights into data preparation and processes.
 - **Games Engineering (Group Project)**
Our team aimed to develop a 2D side scroller game inspired by *Dark Souls*, intending to release a fun mini game to the public. Despite ambitious goals, time constraints led us to scale down our vision and focused on delivering a simpler but functional version within the timeframe. The project provided valuable experience in team collaboration, project planning, and adapting to limitations.
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Volunteering - McSence Group

Student Volunteer | Mayfield, Scotland, United Kingdom | October 2019 – November 2019

- Performed administrative duties, including managing documents and helping set up training rooms for events.
- Assisted with website improvements by updating content and ensuring functionality to support the organisation's goals.