

CONTACT



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PROGRAMMING SKILLS

- **Languages:** Java, C, Python, JS, HTML, CSS, SQL
- **Frameworks:** Flask, Bootstrap, Jinja
- **Database Management:** MySQL, SQLite
- **API:** RESTful
- **Version Control:** Git, GitHub.
- **IDEs:** VS Code, PyCharm, IntelliJ, MySQLWorkbench
- **Debugging & Troubleshooting:** unit-testing, mockito, logging, regression, Valgrind
- **Team Collaboration & Methodologies:** Agile, Scrum, Kanban

OTHER TECH SKILLS

- Microsoft Office Suite
- GIMP Image Manipulation Programme
- REAPER Digital Audio workstation
- MuseScore Music Notation Software

SUMMARY

Hardworking and passionate career-changer with strong organisational skills, eager to secure entry-level software engineering position. Motivated to learn, grow and excel in the tech industry with a willingness to take on added responsibilities to meet team goals.

PROGRAMMING PROJECTS

Python/Flask: Simulated Stock Trading Platform

Python, SQL, Flask, Jinja, HTML, CSS, Bootstrap

- Web-based simulated stock trading platform enabling users to manage virtual portfolios, buy and sell stocks, and track real-time stock prices with a focus on user authentication, intuitive interface, and portfolio management.

Python Kivy App: 'Guess The Song' Game

Python, Flask, Kivy, Spotify API

- Five member team collaboration to create a Python-based quiz game which utilises the Spotify API for real-time song data integration. Implements a Model-View-Controller (MVC) architecture and demonstrates technical proficiency in API integration and UI design within a collaborative development environment.

PROGRAMMING EDUCATION

Course: Software Engineering CFGDegree

Code First Girls - Remote

05/2023 - 09/2023

- 16-week intensive course with Code First Girls, a company dedicated to eliminating the diversity gap in tech by providing education and economic opportunities to women and non-binaries globally. Completed with 94% Distinction.

Course: CS50x: Introduction to Computer Science

Harvard School of Engineering and Applied Sciences

- Remote

10/2022 - 10/2023

- Harvard University's introduction to the intellectual enterprises of computer science and the art of programming for majors and non-majors alike, with or without prior programming experience.

STRENGTHS

- **Problem-Solving:**
Completed Harvard's CS50 remotely. Independently navigating all assignments and projects without external assistance.
- **Communication:** Lead cross-functional collaboration as Scrum Master and code contributor for Python/Kivy app development.
- **Analytical Skills:**
Successfully completed CodeFirstGirls CFGdegree with a Distinction, earning a score of 94%.

HOBBIES

- **Tennis:** 1st team player for div2 county championship club winners.
- **Yoga:** Regularly practice yoga to promote physical and mental well-being.
- **Home Studio Recording:**
Writing, arranging, production and recording.

REFERENCES

Catherine Pickard - Horizon Management Finance Director

☎ 07817556783
✉ katie@horizonmanagement.co.uk

Malcolm Younger - Islesman Ltd Director

☎ 07455215494
✉ malcolm@islesman.com

WORK EXPERIENCE

Account Manager

03/2023 - Current

Horizon Management - Remote

- Coordinator of financial processing and record-keeping via the accounting software Xero for a company with a large property portfolio of over 50 blocks.
- Process invoices and bills.

Events Musician

01/2022 - 06/2023

Freelance - Location Dependent

- Managed and performed concerts, gigs and weddings, repertoire spanning up to 3 hours.
- Promoted by a maintained website and social media presence.

Office Administrator

02/2021 - 01/2023

Islesman Ltd - Perth

- Communications, financial processing, registration, record-keeping, office record digitisation, organisational system maintenance.

EDUCATION

Master of Arts Degree: Music

University of Glasgow - Glasgow

- Completed Music MA honours with a 2:2.
- Final Year Project; Brave New (Open) World: An Exploration of Musical Material in "The Legend of Zelda: Breath of the Wild".

Music Performance Conservatoire

Royal Conservatoire of Scotland - Glasgow

- ABRSM Grade 8 Piano Distinction.
- Trinity Grade 8 Clarsach (Scottish Harp) Distinction.
- ABRSM Grade 8 Singing Distinction.
- ABRSM Grade 5 Theory.