Lucy Murray

I am passionate about mathematics and its applications. I am excited to pursue a career in computer science where I can leverage my problem-solving skills and apply my mathematical expertise to solve real world problems.

WORK EXPERIENCE

Contact

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LinkedIn | GitHub

SKILLS

- C#
- SQL
- PL/SQL
- Linux
- Bash
- Python
- XML
- F#
- Javascript
- Oracle Tools
- Oracle Forms
- ChatGPT GPT-4
- Visual Studio
- .NET
- Windows
- MS Office Suite

References

References on request

2CANA Solutions - Backend SQL developer   JAN 2023 - Present

I currently work as a software developer at 2Cana Solutions, a software solutions provider in the insurance and medical aid industry. I work on a team that serves multiple clients, our main ones being a major medical aid provider, and the other a major life insurance provider. My day to day involves development and maintenance work on their backend systems which is made up of updating tables, triggers, packages and forms as well as unit testing, performance benchmarking and bug fixing.

Projects
Adult policy update rollout

A policy change at Momentum led to the age of an adult increasing to 21. My team worked to propagate this change across the system. My role included major system updates to tables, triggers, packages, table checks, client facing forms and automated client emails.

VAT increase

I led the project to update all VAT calculations on one of our client's legacy life insurance platforms. This involved an investigation phase, followed by putting forward different project proposals and estimations to tackle the changes, as well as meeting with the client to help them decide on the best way forward.

Other achievements

- After a thorough investigation of seemingly unrelated issues a client was experiencing related to life insurance policy statuses, I found and fixed a bug that had been the root cause of several major data alignment issues for nearly a decade.
- During a production outage, I identified a Perl job that had been consistently failing in the early morning which I pushed a fix for.
- Built up a toolkit of scripts and automations during production outages that allowed me to identify and respond to issues and outages on critical systems progressively faster.

Waterfall college - Mathematics tutor   2020-2022

Online mathematics tutor for grades 10 to 12

Rhodes university - First year mathematics tutor   2017

Master Maths - Mathematics and Science tutor   2014

Mathematics, Physics and Chemistry tutor for grades 10 to 12
Admin: Writing reports, marking, liaising with parents

EDUCATION

Rhodes university
BSC Computer Science and Mathematics
Courses included: Compilers, Web Technologies, Networks, Functional Programming (F#), Data Structures, Computer Architecture, Operation Systems, Databases, Theory of Computing,
Achievements:
- Member of Golden Key Society
- Received bursary for marks achieved in first and second year
- Awarded highest first year marks in science faculty in my hall of 4 residences

St Mary's DSG Kloof   [IEB]
Achieved 7 distinctions in matric (one of which was AP mathematics)

Awarded Mathematics subject prize
Tennis captain

PERSONAL

I code and control my computer using a voice recognition software called Talon. I create Python scripts to customise commands, to streamline workflow and improve productivity.
I also utilise Parrot, which uses AI to link various noises, such as clicking, to custom scripts. This involves training a machine learning model to recognise specific sounds accurately.
I also am a game enthusiast and regularly play Bridge and D&D.