Rosemary Kern

T: 07881205736 / E: rosiek2004@gmail.com

PROFILE

Final-year Computer Science student at the University of York with strong skills in Python, Go, Java, C#, GCP, plus experience with C, JavaScript, SQL, Bash. Completed a year-long software engineering placement at the Wellcome Sanger Institute and two internships at Realworld Technology, gaining experience across full-stack development, cloud infrastructure, system administration and testing functionality. Highly motivated, quick to learn new tools, and experienced in delivering production-ready code in collaborative, professional environments.

EDUCATION AND DEVELOPMENT

2022-to present — University of York - BSc Computer Science

Current grade: 77% (second year)

Modules include: Introduction to Data Science, Operating Systems, Security, and Networking, Machine Learning & Optimisation, High-Performance Parallel & Distributed Systems, Autonomous Robots, Deep Learning, Automated Software Engineering, Mathematical Foundations of Computer Science

Dec 2024 — Professional Scrum Master and Product Owner qualification

Oct 2022 — Qualification in Azure fundamentals

2020 - 2022 — Long Road Sixth Form College, Cambridge

A level Maths (A*), A level Art and Design (A*)

Level 3 Extended Certificate in Computing (Distinction*)

2013 – 2020 — King's Ely, Ely

GCSEs: Computer Science (8), Art and Design (9), English Language (8), English Literature (7), German (7), Mathematics (8)

Further Mathematics (8), History (8), Religious Studies (8)

WORK EXPERIENCE

September 2024-2025   Wellcome Sanger Institute

Worked mainly as a software developer with three months spent working as a cloud admin as part of a SCRUM team.

- Developed and maintained production bioinformatics tools, contributing to both back-end and front-end systems.
- Implemented new features for a secure backup product in GO, handling complex filesystem logic and concurrency.
- Built a lightweight web application using Go + HTMX to dynamically view and edit CSV data, improving usability for internal workflows.

- Applied test-driven development, designed automated tests covering all edge cases.
- Worked as a system admin for a secure Google Cloud Trusted Research Environment, including onboarding, data transfers and deploying changes through testing and production environments.
- Practised Agile Scrum, pair programming, sprint planning, and delivered demos to senior developers.

Summer 2023   Realworld Technology Ltd, Cambridge
- Part of an Agile team delivering an automated fibre planning solution for Ziggo (Dutch telecom)
- Wrote test scripts, produced user training materials, and reported issues in daily stand-ups.
- Updated GitLab backlog and gained exposure to FTTH network design and migration processes

Summer 2021   Realworld Technology Ltd, Cambridge
- Functional Testing of new automated fiber planning release
- Training in in-house OO language – Magik
- Development of migration tools, processing spreadsheet data and converting to database records
- Design of new migration datamodel

SKILLS

Web:	HTML, CSS, HTMX
Languages:	Python, Go, Java, C#, JavaScript, Bash, C, Magik
Databases:	SQL, bbolt
Cloud & System:	Google Cloud Platform, Azure, Linux, Git
Development Environments:	Visual Studio Code, PyCharm, IntelliJ

PROJECTS

Digital Portfolio:	https://rosie-portfolio.netlify.app/
GitHub:	https://github.com/rk1274

HOBBIES AND INTERESTS

- Programming projects
- Sport - Previously captain of college badminton team, Skiing, Tennis
- Fitness - gym, cycling
- Art - sewing, creating art for personal projects
- Gaming - Valorant, Overwatch