

Sarah Berry

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Creative graduate software engineer with a First Class Degree in Computer Science and experience scoping, deploying and maintaining large code bases

Experience

ASSOCIATE SOFTWARE ENGINEER | GENOMICS PLC OXFORD | JULY 2021 – JULY 2022

Delivered and maintained internal tools as part of the Core-Software team to aid in the company goal of utilizing large-scale genomic data for drug discovery and disease prevention.

Roles and responsibilities

Provide dev-support to internal users

Lead daily stand-ups and sprint retrospectives

Scoped stories and tasks to define product requirements with internal users

Projects

Scoped and deployed data ingestion pipelines to standardize large amounts of incoming data	Rust, CWL, WDL, Python, Docker, Bash
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Designed and implemented a data configuration file manager tool	Python, Rust, SQL
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Creating and testing new features of genomic visualization web app and bug fixes	JavaScript, React
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Education

BENG COMPUTER SCIENCE WITH A YEAR IN INDUSTRY | UNIVERSITY OF YORK

2019 – 2023 | FIRST CLASS DEGREE

Final Year Project – Arrhythmia Detection and Classification using Evolutionary Algorithms

Example Modules:

Theory III	Turing-recognizable languages and complexity classes	95%
Intelligent Systems III	Neural Networks and GANs using PyTorch	93%
Data II	SQL and database management	84%
Software III	Haskell and functional code	83%

A-LEVELS | HILLS ROAD SIXTH FORM COLLEGE CAMBRIDGE

AAAA* in Maths, Physics, Computer Science and EPQ in Robotics

Additional Skills

Linux user

Experience using test-driven development

Focus on clean, containerised code and CI/CD

Broad knowledge of multiple languages and quick to adapt to new ones

Experience working and leading an agile scrum

Reference on request