

Melissa Rose

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Profile

I am a motivated recent graduate who excels when faced with a challenge and the chance to learn new things. I aspire to work in a role where I am able to make a valuable contribution to a company that shares my values. I thoroughly enjoy using new knowledge to solve problems, and am keen to be able to do this in a software engineering role.

Education and Qualifications

2017-2021 **University of Oxford**
MBiochem Molecular and Cellular Biochemistry – First Class

2010-2017 **Ralph Allen School**
A Levels: Biology, Chemistry, Maths, Further Maths – Grades A*
AS Level Physics – Grade A
13 GCSEs – Grades A*-A

2017 **UK Driving Licence**

Work Experience

June – October 2022 **Software Engineering Scholar** **Academy**
An intensive programme combining software engineering training with leadership skills sessions. The programme involved full-time technical study, followed by pair and group projects to consolidate knowledge. I took part in extracurricular sessions including creative coding and extension lectures.

- Tech skills: PostgreSQL, Express.js, React.js, Node.js, TypeScript, JavaScript, HTML, CSS, Git
- Leadership skills: active listening, feedback, self-management, running stand-ups
- Group projects: Paired-programming, code reviews, CI/CD workflows, Jest testing, technical communication

March – October 2022 **Community Ambassador** **Academy**
Academy takes graduates from under-represented groups, without a degree in computer science, and trains them in software engineering. Their programme boasts a 1% acceptance rate. I interned with Academy in the talent team until June, and then continued to act as Community Ambassador while taking part in the programme myself.

- Worked in the talent team to recruit scholars for Academy's software engineering training programme
- Helped to organise outreach and marketing strategies
- Acted as Community Ambassador to incoming scholars, which involved organising social events and facilitating communication between scholars and the Academy team

July – August 2019 **Student Research Assistant** **The Francis Crick Institute**
The Francis Crick Institute is the largest biomedical research laboratory in Europe. This was a nine-week summer internship using intestinal organoids to study the role of YAP in colorectal cancer, the results of which were included in a paper published in The EMBO Journal.

- Quickly became familiar with the current scientific literature of a new research area
- Trained in new lab techniques then independently implemented them in my research project, while incorporating my supervisor's regular feedback
- Integrated into a laboratory team and developed relationships of reciprocal assistance
- Adapted when lines of research became unpromising or techniques didn't give successful results

April 2019

Technology Spring Week Intern

Barclays

This programme introduced how Barclays is integrating technology into banking.

- Learnt about the structure of Barclays' technology development businesses
- Gave a team presentation applying our new insights to the future of banking

Voluntary and Other Experience

September 2019 – June 2021

Secretary and founding member Oxford Kpop Dance Group

This is a small student-led dance group set up in 2018. In addition to regularly uploading content to our Instagram account and YouTube channel, we performed at dance shows and charity events. We also ran classes and socials, and competed in national competitions.

- Wrote our email newsletter advertising events and updating a wide audience on our activities
- Contributed to committee meetings with new ideas for ventures we could pursue, and commented on how to ensure my peers' ideas were successful
- Kept minutes of committee meetings and ensured these were clearly communicated between the committee team and other group members
- Created and monitored spreadsheets to aid organisation

January 2019

Sessions Coach

KEEN Oxford

KEEN is a charity that runs activity sessions for local people with disabilities.

- Took responsibility for the one-on-one care of a young person
- Followed instructions as part of a team to ensure sessions ran smoothly
- Adapted activities for the specific needs of individuals

July 2018

English Teacher in Hong Kong

Oxbridge Summer Camps Abroad

I was part of a team of 12 teachers who taught English at three summer schools in Hong Kong.

- Led classes of 10-20 students, while working together with a co-teacher
- Created detailed lesson plans with engaging activities that drove for my students' success
- Managed students who were disruptive and disrespectful, and kept the rest of my students and fellow teachers motivated when difficulties arose
- Worked in a team with other teachers to plan and run whole-school afternoon activities
- Quickly adapted plans to suit the type of school and ability of students

2014 – 2017

Scout Young Leader

Bathampton Scouts

As a Young Leader I helped to create and deliver a programme of Scouting activities to young people between the ages of 10 ½ and 14 ½ in and around the Bathampton area.

- Planned group activities and took on organisational roles
- Maintained communication within the leadership team
- Updated the group's Twitter account
- Led and supervised small groups on outings, motivating children to reach their potential