

Charlotte Ussher

Full stack software developer and Certified Scrum Master

I have been working in a small collaborative scrum team at [Mayden](#) since January 2020. We make and maintain the patient management software [iaptus](#) working in self-managing teams where pair programming and code reviews are the norm. Our frontend codebases use React and our backend uses PHP talk to our MySQL databases. I recently completed the [CodeFirstGirls](#) Introduction to Data Science & SQL Programming 8-week evening course culminating in a group project designing and implementing a café database: the skills I learned on this course reinforced the queries our team at work had been using for NHS Digital reports.

PROJECTS during Mayden (iO) Academy course:

Grub recipe app: <http://bit.ly/35jc7yq>

Working as an agile team we built an OOP PHP recipe app to display and save recipes based on an ingredients list. We used the Hydrator entity pattern to create objects directly from a MySQL database. We consumed the Recipe Puppy API as a data source, while validating and sanitising all user input.

Gecko card matching app: <http://bit.ly/37lqCDk>

Working as an agile team we built a Javascript matching game where the player matches duplicate pictures of geckos. We used Github as a team and it reinforced the importance of granularising the backlog tasks so that work was available to all team members.

Aptitude test: <http://bit.ly/32UaHbW>

We collaborated on a legacy project using JavaScript, incorporating Gulp and SCSS, extending an online aptitude test. We built modals to incorporate user functionality for editing and deleting questions, and we gained useful experience in story estimation and keeping story branches uncontaminated.

JOB HISTORY:

2020 to date: Full stack software developer at Mayden.

2000-2019: Teacher: various roles teaching, examining and tutoring children in Science and Psychology at secondary schools in London and Bath.

1997-2000: Administrative roles and bar work during my undergraduate studies in London.

1994-1997: Administrative roles in insurance, IT and media organisations in London.

1992-1993: Bar work during undergraduate studies at Manchester University (uncompleted).

EDUCATION

2019: Full Stack Track at Mayden (iO) Academy, Bath (software developer training course).

2014 - 2016: MSc Biosciences (Merit) University of Bath (using a python pipeline in my project).

1997 - 2000: BSc Biological Sciences (First) Kings College London.

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