

## Contact

info@xavierriley.co.uk

www.linkedin.com/in/xavriley  
(LinkedIn)

## Top Skills

Machine Learning

Digital Audio

Ruby

# Xavier Riley

PhD Researcher in Artificial Intelligence and Music  
Greater Guildford Area, United Kingdom

## Summary

- \* Experienced software engineer with an MSc in Distributed Systems and Networking.
- \* Over 10 years of experience working with a range of programming languages including Ruby, Clojure, C, C++, Java, JavaScript, Python and Typescript.
- \* Keynote conference speaker with active open source contributions, particularly around music software in Ruby
- \* Management experience with Heroku - a major cloud computing provider

---

## Experience

### Queen Mary University of London

Researcher

September 2020 - Present (1 year 10 months)

London, England, United Kingdom

Studying machine learning techniques for analysis of music, mainly focussing on recorded jazz.

### FreeAgent

Senior Software Engineer

January 2020 - September 2020 (9 months)

Remote, United Kingdom

Working with Ruby on Rails as part of the Open Banking team. Helping to integrate the FreeAgent accounting product with various banking partners.

### Heroku

4 years 2 months

Support Manager EMEA

January 2019 - January 2020 (1 year 1 month)

United Kingdom

Management of a growing technical support team solving complex issues, handling SLAs, escalations, onboarding while maintaining contact with both customers and engineering challenges

## Support Engineer

December 2015 - January 2019 (3 years 2 months)

Supported users of the Heroku Platform in the EMEA region. Handling a wide range of technical issues covering applications written in all major programming languages, Linux containers/Docker, Postgres databases, Redis among others.

## English Language iTutoring Ltd

Contract Software Engineer

February 2015 - November 2015 (10 months)

Cambridge, United Kingdom

Contracting software developer writing Ruby and Clojure. Maintained and managed AWS infrastructure and deployments for a machine learning startup based at the University of Cambridge

## Xavier Riley Ltd

Web Developer

August 2009 - November 2015 (6 years 4 months)

Guildford, United Kingdom

## OpenCorporates

Developer

October 2013 - November 2014 (1 year 2 months)

The largest open database of company information in the world. Worked with MySQL, Solr, Elasticsearch and Ruby on Rails as part of a distributed team.

## Kyan

Web Developer

August 2010 - July 2013 (3 years)

I built CMS systems in Rails and PHP for small to medium sized businesses. I also worked in pairs on large scale projects using Rails 2 and 3.

## The Creative Team

Web Developer

August 2009 - August 2010 (1 year 1 month)

I managed a number of PHP sites and converted Photoshop designs into HTML and CSS. I also built a large dating site using the Padrino Web Framework (Ruby)

## Education

Queen Mary University of London

Doctor of Philosophy - PhD, Artificial Intelligence · (September 2020 - September 2024)

Royal Holloway, University of London

Master of Science - MS, Computer Science · (2016 - 2018)

The University of Birmingham

Bachelor of Music (BMus), Music · (2004 - 2007)

Clitheroe Royal Grammar School