Michael Walker

PUBLICATIONS

DÉJÀ FU: A CONCURRENCY TESTING LIBRARY FOR HASKELL
By Michael Walker and Colin Runciman, 2015. In *ACM SIGPLAN Symposium on Haskell*.

EMPLOYMENT

UNIVERSITY OF YORK | Postgraduate Teaching Assistant Oct 2015–May 2016, York.
Assisted with the teaching of first-year introductory algorithms and data structures course.

UNIVERSITY OF YORK | Postgraduate Teaching Assistant Oct 2014–May 2015, York.
Assisted with the teaching of first-year introductory discrete mathematics course.

COREFILING | Software Engineering Intern Jul–Sep 2014, Oxford.
Refactored an in-house wiki program, Reviki, in particular the development of a parser/renderer using ANTLR in Java and the integration of this renderer with JIRA.

EDUCATION

UNIVERSITY OF YORK
Doctor of Philosophy 2014–now.
Expected to submit in 2017.
Master of Engineering 2010–2014, achieved 2:1.
Dissertation on verification of stop-the-world garbage collectors.

OPEN SOURCE CONTRIBUTIONS

ARCH HURD | Project Leader 2010–2015.   http://www.archhurd.org
Packaged and maintained software, managed small development team, produced bootable installation media. Currently maintain website and server.

UZBL | Developer 2009.   http://www.uzbl.org
Helped with the implementation of early-stage functionality in a small development team.

PROJECTS

BOOKDB | Personal library webapp   https://github.com/barrucadu/bookdb
Maintains a database of books, keeping track of information such as the location and borrower of each book, and presents some statistics. Written in Haskell.

DÉJÀ FU | Concurrency testing library   https://github.com/barrucadu/dejafu
Provides an abstraction over standard Haskell concurrency facilitating systematic testing and search for error. Developed for my postgraduate studies.

YUKIBOT | IRC bot   https://github.com/barrucadu/yukibot
A concurrent IRC bot capable of connecting to multiple networks simultaneously and responding to commands and events as they arise.

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