

Charles Mita

17 Minor Road
Oxford
Oxfordshire
OX1 3JR

Email: xen-0@users.noreply.github.com
Mobile: +44 0123456789
GitHub: github.com/xen-0

PROFILE

- Result focused and conscientious Software Developer with 5 years experience in the Scientific Research sector, and experience within the online Credit sector.
- Current role focuses on the data acquisition software for X-ray beamlines at the UK's Synchrotron Light Source, utilising modern techniques (Agile, OOP, TDD) to develop and maintain Java and Python software.
- Primary responsibility is the development of the data acquisition system for a fully automated X-ray beamline, requiring the coordination of sample loading robots, sample motor stages, optical cameras, continuous trajectory controllers, and high frequency X-ray detectors to perform automatic data collections with high throughput.
- Looking to further develop technical skills and knowledge, producing high-quality software to solve exciting problems in a high-tech environment that encourages teamwork and professional growth.

EXPERIENCE

- **Diamond Light Source Ltd.**
Software Developer in Data Acquisition Jan. 2014 - Present
 - Development and maintenance of the Data Acquisition framework (GDA), an open source Java project.
 - Design and development of the data acquisition system for an automated X-ray beamline for Macromolecular X-ray crystallography (VMXi).
 - Design and development of a Python project (scanpointgenerator) to efficiently describe and produce positions for n-dimensional scans for X-ray data collections.
 - Design and development of a C plugin for a data analysis tool to allow efficient processing of datasets collected from the latest high speed X-ray detectors (1-100 GB datasets).
 - Support for data acquisition on multiple X-ray beamlines; including integration and control of devices (motors, detectors, spectrum analysers, and other hardware) into the data acquisition framework.
- **Credit Reporting Agency Ltd.**
Software/Web Developer June 2012 - Dec. 2013
 - Maintenance of multiple customer facing websites using VB.NET.
 - Rewriting of the website aimed at Australian consumers to match the services offered to UK consumers.

EDUCATION

- **University of Warwick**
B.Sc Maths and Physics 2:1 Oct. 2009 - July 2012
- **Truro College**
A levels in Maths, Further Maths, Physics, Chemistry (AAAA) Sept. 2007 - July 2009

SKILLS

Technologies:

Experience with Java, Python, C, Git, ASP.NET, VB.NET, HDF5.
Working knowledge of C++, C#, SVN, GDB, Javascript.

Operating Systems:

Windows, Linux