

Julie Abraham

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Adept problem solver and quick learner used to dropping into a busy environment and quickly satisfying necessary requirements. Capable of communicating with technical and non-technical users.

SKILLS

Software developer with more than ten years' experience.

- Data science, medical image analysis, machine learning, web development.
- Extensive experience with C++, HTML, Java, JavaScript, Python, R, SQL.
- Windows, MacOS and Unix.

EDUCATION

OXFORD UNIVERSITY

Doctorate, Astrophysics (1995)

IMPERIAL COLLEGE, UNIVERSITY OF LONDON

Bachelor of Science, Physics (1988)

WORK EXPERIENCE

PROTEOCYTE AI

SOFTWARE DEVELOPER COMPUTATIONAL PATHOLOGY (2017 – 2018)

- Image analysis of whole slide images using Python with OpenCV libraries.
- Statistical analysis, survival models and machine learning with Python and R.
- Quality management for software systems (IEC 62304)
- Software source control using git with Atlassian Bitbucket.

DENSITAS INC.

SOFTWARE DEVELOPER (2015 – 2017)

- Image analysis of DICOM images in C++ using DCMTK and OpenCV libraries.
- Prototyping web apps with HTML5 and JavaScript.
- Creation of analysis and reporting tools in R.

CONTRACTOR (2014)

- Created a plugin in Java for ImageJ image analysis software.

GLOBAL GRAPHICS (HARLEQUIN LTD)

INFORMATION SYSTEMS TEAM, UK (1999 - 2000)

- Created custom web applications for internal company use.
- Implemented rollout of Domino server upgrade.
- Trained team members in using new technology.

ASPECTIVE (IVES & CO.)

DISCOVERY UNIT AND TEAMSPACE TEAM (1998 –1999)

- Prototyped new products for possible future development by the company.
- Developed products for IBM Domino using JavaScript and Java applets.

GLOBAL GRAPHICS (HARLEQUIN LTD)

INFORMATION SYSTEMS TEAMUK (1997 –1998)

- Developed and maintained data management systems and company website.
- Built online payment application and integrated order information with sales and marketing systems.

IONICA PLC

ENGINEERING DEPARTMENT (1996 –1997)

- Built and documented a tool for reporting traffic across the Ionica telecommunications network.
- Modeled network traffic to facilitate load balancing.
- Communicated necessary engineering information with other departments within the company.

VOLUNTEER WORK

ST BERNADETTE ELEMENTARY SCHOOL

TECHNICAL ASSISTANCE AND CLASSROOM SUPPORT (2008 – 2018)

- Designed template documents using Microsoft Office and Adobe Illustrator for the teachers to use in their projects.
- Coordinated school events including budget and volunteer schedules.
- Helped with elementary school science program, working with students in small groups to carry out a variety of experiments.
- Provided regular supplemental support to students with reading difficulties.