



PHIL YORK

**Manager,
Software Engineering**

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Phil York is the Manager of the Software Engineering department at Brookes Bell Safety at Sea with experience in research and commercial application development. His main area of expertise is in the design and implementation of 2D and 3D graphical interfaces. Major projects include the development of loading computers and decision support systems for large cruise liners, ferries and naval vessels; ship manoeuvring simulator and playback software for accident investigation; post-processing visualisation applications for flooding vulnerability assessment; and integrated platforms as part of large scale EU funded projects in collaboration with the department of Naval Architecture and Marine Engineering at the University of Strathclyde.

EDUCATION AND QUALIFICATIONS

1998-2002 BSc (Hons) 2/1 in Software Engineering. *Manchester Metropolitan University, UK*

EXPERIENCE

2003 - Present **Safety at Sea Limited, Glasgow**

Manager of Software Engineering

Implementation/Management of quality assurance procedures.
Implementation/Management/Support of in-house developed software applications for both internal and commercial use.

The Ship Stability Research Centre, Strathclyde University, Glasgow, Scotland

Research Fellow

Working in a team both internally and with external European institutions to design and implement integrated software platforms for large-scale European Commission projects.

2002 - 2003 **The Ship Stability Research Centre, Strathclyde University, Glasgow, Scotland**

Research Assistant

Working in a team both internally and with external European institutions to design and implement integrated software platforms for large-scale European Commission projects.

2000 - 2001 **Safety at Sea Limited, Glasgow**

Software Engineer (degree placement)

The design and implementation of various bespoke software applications and utilities.

PROJECTS**Safety at Sea**

BBSIM	Design and implementation of a ship manoeuvring simulator interface and playback software for accident investigation. The application also supports importing and playback of AIS recorded data. Application support and maintenance. Product licensing and release management.
BBCONSUR	Design and implementation of a database application for collating and reporting container ship survey information. The application also interfaces with Microsoft Excel for automatic import/export of data. Application support and maintenance. Product licensing and release management.
iStand	Design and implementation of a loading computer and decision support system with interfaces to on-board opening and flooding sensors to calculate real time stability and vulnerability assessment. Application support and maintenance. Product licensing and release management.
Evi	Application support and maintenance. Product licensing and release management.
Parallax	Design and implementation of a post-processing application for animated 3D viewing of Proteus simulation results. Application support and maintenance. Product licensing and release management.
Monolax	Re-design and re-implementation of a post-processing application for animated 3D viewing of Proteus simulation results. Application support and maintenance. Product licensing and release management.

ANSYS Model Generator	Design and implementation of a utility to automatically generate an ANSYS compatible model file from an existing AutoCAD model. Application support and maintenance.
ANSYS Viewer	Design and implementation of an application to provide a manual 3D interface, to existing ANSYS compatible model files, for the manual generation of surface panels. Application support and maintenance.
Proteus Opening Checker	Design and implementation of a utility to automatically generate 2D or 3D AutoCAD compatible DXF files, containing Proteus opening geometry at given heights along a given axis, for overlaying on general arrangement plans for checking correctness. Application support and maintenance.
MARTEC S.p.A	
Onboard Stability Software (OSS)	Design and implementation of an on-board loading computer application with interfaces to a Safety Management System (SMS) for communication of sensor readings, and an external stability calculation engine provided by Herbert Software Solutions. Application support and maintenance. Product licensing and release management.
Graphics Research Corporation	
ProteusF	Design and implementation of a progress dialog to interface and provide feedback to Proteus frequency domain calculations and also to provide an external dynamic load library (DLL) interface to run ProteusF from within a general design and analysis application called Paramarine from Graphics Research Corporation. Application support and maintenance. Product licensing and release management.
European Commission	
VRSHIPS-ROPAX 2000	Work package leadership, co-ordination and administration. Design of a distributed integrated software platform. Management of an internally developed software component specialising in the integration of external software applications.

VIRTUE Design of a distributed integrated software platform.
Design and implementation of data management components specialising in database communication, version control, and File Transfer Protocol (FTP) communication.
Design and implementation of a software component specialising in the integration of external software applications.

SAFEDOR Design of a distributed integrated software platform.