

C.V.
for
**Matthew
Nicholson**
12.09.1986



I'm an experienced Geomatics Surveyor, in both terrestrial and hydrographic fields. I've a keen interest in the application of positioning technologies in new and innovative ways. Although, so far, during my career I've been primarily using third party hardware and software, I've experience in coding in Java/Python and processing 'Big Data' in R. I'm also competent in QGIS, ArcGIS and AutoCAD.

In my free time I'm a keen tinkerer, cyclist and climber.

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address:
York, United Kingdom

Work History

Shallow Water Surveys (2014 – Present)

Director / Senior Hydrographic Surveyor

Specialising in bathymetric surveys of inland and near-shore waters. Combining geodetic/remote sensing technologies to offer bespoke survey solutions. As part of our service we offer an integrated and independent bathymetric survey system for third party data capture.

Responsibilities:

- Compiling tender documents.
- Processing and assessing integrity of data.
- Delivery of products.
- Managing client expectations.
- Assembly of an integrated and independent bathymetric survey system.

Environment Agency – Geomatics (2012 – 2014)

Geomatics Surveyor

Undertaking survey services for, and collaborating with, public sector clients. Lead field surveyor for bathymetric and seabed identification surveys of a Marine Conservation Zone in the North East of England. This included mobilisation, data capture, and demobilisation of the survey vessel. Presented Geomatic's work at Oceanology International 2012.

Responsibilities:

- Mobilising vessels for survey.
- Conducting high accuracy multibeam and interferometric surveys.
- Liaising with public sector clients.
- Capturing and processing remote sensing data inc aerial photography and LiDAR.

The Hydrographic Society (East Anglian Region) (2010 – 2011)

Committee Member

Maersk (2006 – 2010)

Cadet

Deck Officer training on a variety of merchant vessels.

RAF Coltishall (2005)

Student

I led a team that achieved a CREST and Engineering Education Scheme Award for our work with the RAF and their Jaguar GR3 aircraft.

Education and Qualifications

University College London (2011 – 2012)

MSc – Hydrographic Surveying (IHO Cat. A) (Direct Entry to MRICS if required)
Dissertation: An investigation into the use of accelerometers for step and turn detection

Awarded a commendation on the presentation of my dissertation.

Including:

- Nautical Charting
- Ocean and Coastal Zone Management
- High resolution multibeam echosounder bathymetric surveys.
- Designing and establishing GNSS RTK networks.

Liverpool John Moores University (2006 – 2010)

1:1 BSc (Hons) – Nautical Science

Incorporating Maersk Industry Placement.

Dissertation: Marine Navigation at Polar Latitudes

Including:

- Port & Ship Cargo Operations
- Maritime Management and Law
- Hydrographic Surveying
- Cartography and Coastal Oceanography
- Navigation Technology (inc. GNSS and RADAR technologies)

Paston College, North Walsham (2003 – 2005)

A level – Physics, Maths, Design Technology

Engineering Education Award incorporating RAF Industry Placement

Further Qualifications

RYA Powerboat Level 2 - Commercially Endorsed

Environment Agency - Working Near Water Safety Course

Reson Multibeam Training Course

CARIS HIPS and SIPS Training

STCW 95 Basic Safety Training

Global Maritime Distress and Safety System Operators Certificate