

Jason Bourne

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2007
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CAREER PROFILE

Pro-active and energetic honours graduate seeking a position within the Environmental Science sector in areas of contaminated site investigation and remediation, risk assessment and water quality management. Via scientific research expertise in petroleum hydrocarbon remediation and over 3 years' experience managing multiple projects for a client-based marketing organisation, I have developed solid communication and project management capabilities to effectively contribute towards project outcomes and enhance productivity.

EDUCATION

- 2012 **University of Technology, Sydney**
Masters of Environmental Engineering and Management GPA: 3.75 / 4.0
Subjects completed: - Engineered Natural Water Treatment Systems –Distinction
- Contaminated Site and Waste Remediation –High Distinction
- 2012 **Australian Catholic University, North Sydney**
Bachelor of Environmental Science (Honours)
Honours Thesis: Bioremediation of BTEX and ammonium in landfill leachate using a sequential degradation process through microcosm studies at Sydney Olympic Park, Homebush Bay NSW
- 2007 **The University of Sydney**
Bachelor of Science (Molecular Biotechnology)
Major areas of study: Chemistry, Molecular Biology and Microbiology

EMPLOYMENT

James Cook University (JCU), North Queensland March 2012 – Present

Sessional Academic/ Research Assistant – Environmental Science

Worked with Sydney Olympic Park Authority developing a feasibility study (bench scale trial) for remediation of hazardous leachates. Prepared laboratory tutorials for third year students in water and waste management units.

- Produced and implemented the experimental design, sampling plan and parameter monitoring schedule for preliminary and optimisation phases of the bench scale trial for the bioremediation of leachates
- Prepared project proposals, manuscripts, progress reports and application for research grants
- Conducted several sampling events for soil and water, including parametric measurements in-situ
- Performed experiments, data analysis and maintained records of results and outputs regularly
- Designed and produced appropriate written material and undertook administrative tasks to support the delivery of laboratory sessions and tutorials.
- Instructed laboratory technical officers regarding the proper delivery and set up of equipment, reagents and materials for the successful delivery of all laboratory sessions, tutorials and field trips

Achievements:

- Awarded JCU Faculty of Sciences Research Grant for genetic characterisation of microbial communities capable of degrading BTEX and inorganic nitrogenous wastes in leachates from remediated landfills.

AAA Company, Sydney

November 2008 – December 2011

National Project Coordinator – Jan 2010 – Dec 2011
NSW/QLD Project Coordinator – Aug 2009 – Jan 2010
NSW Sales Executive – Nov 2008 – Aug 2009

Co-ordinated all operational requirements in national marketing projects across various blue-chip clients in the telecommunication services industry, improving product branding, knowledge and sales.

- Developed, maintained and strengthened relationships with key stakeholders
- Supervised and delegated responsibilities to project team
- Conducted training sessions for new team members in induction, reporting systems and HSE guidelines
- Coordinated and managed field team to drive state KPI's (sales targets and software activations)
- Maintained project focus, team rosters, development and motivation
- Collated, analysed and prepared weekly sales and consumer trend reports

Achievements:

- Received employee of the month award for providing technical assistance to Optus customers experiencing client services difficulties.
- By analysing sales trend reports and identifying top performing stores nationally, I proposed a re-organisation of scheduled visits by promotional staff. This resulted in a 30% increase in sales nationally for the Nokia N-series campaign.

BBB Company Ltd

January 2008 – October 2008

Shift Process Operator

Utilised process control software to monitor and record process data, including representative sampling for visual and chemical analysis such as microscopy and atomic absorption spectrometry.

- Performed sampling techniques and sample processing for liquid and solid chemical analyses
- Conducted laboratory analytical techniques in wet chemistry and gravimetric analysis
- Managed chemicals inventory in the laboratory, updating material safety data sheets and maintaining good laboratory practice
- Developed hazard operation studies to identify risks and implement measures using the standard hierarchy of controls to mitigate hazardous events
- Trouble shooting of problematic plant equipment and instrumentation errors
- Analysed trends and identified anomalies in plant operational data for preparation of shift report summaries

PROFESSIONAL MEMBERSHIP

- 2013 - Student Member of the Australian Water Association
- 2012 – Student Member of Engineers Australia

SKILLS

Analytical Chemistry:

- Extensive chromatographic experience with GC/MS and HPLC analysis
- Preparation of various solutions, dilutions and sample preparation
- Experience in spectrophotometry and mass spectrometry techniques

Hydrogeology:

- Expertise with open channel flow hydraulics calculations in sizing method for treatment wetlands, ponds and irrigation systems for effluent treatment
- Analysing basic site stratigraphy and developing CSM from a risk assessment perspective
- Experience in contaminant plume contouring, contaminant fate and transport processes and the behaviour of NAPLs in the subsurface.
- Proficiency in contaminant partitioning calculations for quantifying contaminant mass in the subsurface, including knowledge of soil properties and classification.

Ecology:

- Site assessment and sample collection from various environmental matrices
- Studies on ecosystem interactions of terrestrial, aquatic and marine systems

Environmental Policy:

- Knowledge of NSW environmental legislation and regulatory framework
- Understanding on the Contaminated Land Management Act 1997 and the POEO Act 1997
- Understanding environmental management systems and the international standard ISO14001

Communication

- Communicated with work colleagues from all levels within an organisation.
- Responsible for development of detailed reports and office memos.
- Regularly provide oral presentations to students and staff via training, also reports to senior executives.

Project Management

- Demonstrated experience managing a number of projects with budgets up to \$500K and multidisciplinary teams of between 3 and 6 staff.

Software:

- Proficient in the use of Microsoft programs, including MS Project and MS Access
- Monitored Natural Attenuation modelling software BIOSCREEN and Visual Solute Transport VTS

INTERESTS

- Enjoy travelling, road trips, bushwalking, tennis, coffee, meeting new people and exploring new cultures

REFEREES

Available on Request