

Benjamin PARRY

Civil Engineer

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i Available at 5 weeks notice period with current employer

Summary Statement

Having diverse career experience, from design and consulting in civil and structural engineering, international project management for large scale infrastructure management projects, to working with systems and data analysis, I have a unique range of that I'll use to bring value to any organisation.

Although most recently working in an information analyst role, my goal is to return to a position at an engineering consultancy, where I have the opportunity to design creative solutions to difficult problems using the skills I've developed over my career, with the goal of completing my professional registration and becoming chartered.

PROFESSIONAL EXPERIENCE

Present
July 2018

Information Analyst, UNIVERSITY OF THE SUNSHINE COAST, Sunshine Coast

Australian University

STRATEGIC INFORMATION AND ANALYSIS UNIT

- Responsible for the Student Load and Income Forecasting model, undertaking data analysis and reporting, and liaising and submitting government reporting
- Preparation and modelling of income forecasts, tracking university performance and executive reporting
- Submission of estimates to Australian Government for Commonwealth funding
- Collaborating with Marketing teams to assess trends and build market intelligence
- Developing ad-hoc tools in Python and R to transform and use data
- Requirements analysis and development to build PowerBI reports to respond to internal needs

SQL Excel Python Power BI Forecasting

July 2018
July 2016

Technical Officer - Asset Systems, NOOSA COUNCIL, Noosa

Local Council for the Noosa Shire

ASSET MANAGEMENT TEAM

- Business Owner for Council's strategic asset management systems. Change management across all departments to create culture of embedded asset management principles and practices.
- Development and implementation of 5-year pavement works plan.
- Development of risk-based stormwater network inspection prioritisation model to help coordinate inspection campaigns.
- Building confidence in asset management across the organisation by working with engaging all with all departments providing awareness sessions.
- Works liaison in Noosa Council Disaster Management Coordination Centre.
- Implemented disaster information collection process for the National Disaster Relief and Recovery Arrangements for disaster funding.
- Preparation of the Asset Information Management Strategy to structure data collection processes used in the organisation to collect consistent and valuable asset and works data, and integrate with other departments.
- Analysis and modelling of risk-based spatial pipe deterioration model used to prioritise inspection campaigns.
- Consultation and liaison with operational and capital works departments to compile 5 year pavement reseal program.
- Collaboration with partner organisations to develop comprehensive disaster event information collection system, and presentation at Technology One Local Government conference.

Asset management Deterioration modelling SAM Technology One R Python Excel QGIS

March 2016
October 2012

Project Manager (Asset Management), VINCI SA / SOLETANCHE-FREYSSINET, Paris, France

Global construction with expertise in specialised building, civil, hydraulic, and electrical engineering

ADVITAM GROUP

- Negotiating and leading international projects in delivery of asset management solutions, inspection and maintenance manuals and structural instrumentation for civil and structural infrastructure.
- Managing simultaneous projects: client meetings, specification, planning and team organisation, overseeing design and development, delivery and training, sub-contractor management, financial reporting
- Preparation of Maintenance and Inspection plans for bridges (Normandy, Vasco de Gama, Rion-Antirion), tunnels (Duplex A86), highways (PR1Bina, Aegean Motorway) and water networks (Tucson Water, Great Man-Made River Project) as well as undertaking structural inspections and non-destructive testing
- Coordinating development of infrastructure management systems to meet client requirements
- Delivering presentations, and coordinating and leading training sessions with clients
- Specification and delivery for structural monitoring data capture instruments and analysis of outputs
- Commercial representation at conferences, and preparation of offers and bid submissions
- Trained in Soletanche-Freyssinet Project Management system (PM+)
- Securing and delivering stage of emergency supervision system project worth over 250,000€ and maintaining 30% profit margins
- Project management for PR1BINA motorway, Slovakia, which was responsible for delivering a mobile support tool that won the Vinci Innovation Prize for International Dissemination
- Preparation and delivery of maintenance and inspection plans for Aegean motorway concession, Greece
- Undertaking structural inspection campaign for A86 'Duplex' tunnel, Paris, France

Project Management Deterioration modelling Asset management Asset inspections Site Supervision

October 2012
March 2010

Civil Engineer, NEWTON DENNY CHAPELLE, Lismore

Town Planning/Civil Engineering/Surveying consultancy for industrial, residential and commercial developments.

CIVIL ENGINEERING TEAM

Undertaking preliminary and detailed engineering analyses and designs for wide range of residential, commercial and industrial projects in various council regions around the Northern Rivers

- Negotiating development approval conditions and requirements on behalf of the client
- Stormwater modelling and design using MUSIC, CivilCAD and XP-RAFTS and preparation of design plans and documentation
- Civil design including subdivisions, earthworks, pavement, stormwater and services
- Preparation and submissions of technical engineering report to support development applications
- Ensuring conformity with all relevant standards and regulations in design and supervision of construction quality
- Civil design for earthworks, pavement, stormwater and parking for Goonellabah Shopping Centre
- Project management of Our house Community Cancer Accommodation refurbishment, Lismore
- Detailed design and construction supervision for Angels Beach Estate subdivision, Ballina

Civil design project management stormwater modelling pavement design CivilCAD MUSIC XP-Rafts
Site Supervision

November 2008
December 2007

Structural Engineer, GHD ENGINEERING, Brisbane

Engineering company in water, energy and resources, environment, property and buildings, and transportation.

MINING & INDUSTRIAL STRUCTURES DEPARTMENT

Part-time - Undergraduate engineer modelling and preparing designs and specifications for the Mining and Industrial Structures team

- Modelling and design using Space Gass and STRAND7
- Preparation of technical specifications and project documentation and design criteria

Structural Engineering STRAND Space Gass

November 2007	Civil/Structural Engineer, TRACKSTAR ALLIANCE, Brisbane
July 2006	<p><i>Alliance between Queensland Rail, Thiess, United Group, Connell Wagner and Maunsell AECOM to rail projects in SEQ.</i></p> <p>CONNELL WAGNER</p> <p>Part-time - work experience role preparing structural designs and rail alignments for a senior engineer for a Queensland Rail duplication project.</p> <ul style="list-style-type: none"> ➤ Supervised design of retaining walls, slabs and rail bridges and alignments ➤ Site Supervision during service location and site preparation <div> Structural Design Site Supervision </div>

EDUCATION

2016-2018	Graduate Diploma in Data Science (Accelerated), Monash University
2009	Exchange to L'Institut National Polytechnique de Grenoble, France, completing final project in the Laboratoire des Ecoulements Géophysiques et Industriels (LEGI).
2004-2009	Bachelor of Engineering (Civil)/Bachelor of Arts (Spanish, French) - first class honours, University of Queensland, St Lucia.

SKILLS

Project Management	Agile project management, trained in Freyssinet PM+ project management (PMBOK equivalent) Commercial offers, negotiating contractual issues, planning sprints, tracking of project expenses, budget, personnel and time management, report writing, client liaison, conforming to local and international regulations through project delivery. Lead delivery of projects up to €250,000 with profit margins of 30% delivered in 3-4 month time frames.
Engineering Leadership	Successfully managing a team of up to 5 remotely during projects to deliver work on time and to specifications. Implemented organisation wide disaster management data capture process to meet both internal and external requirements through consultation with NDRRA, Technology One and various council departments. Selected to represent Noosa Council at Local Government Management Associations Leadership Challenge in 2017
Communication	Working with people from diverse disciplines in both national and international environments. Able to communicate ideas clearly and logically to ensure efficient teamwork. Part of a team that won the Vinci Innovation Prize for International Dissemination for software developed through collaboration with clients
Reporting	Financial and performance reporting to management and executives, preparation of project documentation for large-scale, international projects, preparation of project experience returns to ensure insights transferred to both management and peers. Preparation of reporting dashboards and executive reports for clients. Presenting project updates and delivering training sessions to clients and their sub-contractors, with largest involving 100 sub-contractors
Analytics	Data capture, cleansing, integration and use through statistical analysis and visualisations to provide insights. Prepared a risk model for storm water pipe infrastructure based on environmental and land use factors, as well as physical characteristics of pipe to structure inspection campaigns.
Software	<ul style="list-style-type: none"> ➤ Enterprise systems (Microsoft SQL, Access, Office, Project, Excel) and ERPs, ➤ Programming languages (R, Python, vb.net), ➤ Web development (IIS, html, Silverlight), ➤ GIS (QGIS, ArcGIS) ➤ Engineering and CAD software (Civil CAD, AutoCAD, SIDRA Intersections, MUSIC, XP-Rafts)

LANGUAGES

English ● ● ● ● ●
French ● ● ● ● ○
Spanish ● ● ● ○ ○

OTHER INTERESTS

- › Climbing, Running, Surfing, Lifesaving
- › Travel, Languages
- › Piano, Woodwork