

# Benjamin PARRY

## Asset Engineer

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**i** Available at 5 weeks notice period with current employer

## Summary Statement

With a strong background in working in asset management and with various data systems, and having diverse career experience, from design and consulting in civil and structural engineering, international project management for large scale infrastructure management projects, in both public and private organisations, I have a unique range of skills that I'll use to bring value to any company. Although most recently working in an information analyst role, my goal is to return to a position in an engineering role, 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.

## CAREER SUMMARY

2018 - Present	<b>Information Analyst</b> , <i>University of the Sunshine Coast</i>
2016 - 2018	<b>Technical Officer (Asset Management)</b> , <i>Noosa Council</i>
2012 - 2016	<b>Project Manager (Asset Management)</b> , <i>Soletanche-Freyssinet</i>
2010 - 2012	<b>Civil Engineer</b> , <i>Newton Denny Chapelle</i>
2007 - 2008	<b>Structural Engineer</b> , <i>GHD Engineering</i>
2006 - 2007	<b>Structural Engineer</b> , <i>Trackstar Alliance</i>

## PROFESSIONAL CAREER

<b>Present</b> <b>July 2018</b>	<b>Information Analyst, UNIVERSITY OF THE SUNSHINE COAST, Sunshine Coast</b> <i>Australian University</i> STRATEGIC INFORMATION AND ANALYSIS UNIT Responsible for the Student Load and Income Forecasting model, undertaking data analysis and reporting. <ul style="list-style-type: none"><li>➤ Preparation of income forecasts, tracking university performance and executive reporting</li><li>➤ Preparation of submissions Australian Government for Commonwealth funding</li><li>➤ Collaborating with Marketing teams to assess trends and build market intelligence</li><li>➤ Developing ad-hoc tools in Python and R to transform and use data</li><li>➤ Requirements analysis and development to build PowerBI reports to respond to internal needs</li></ul> <i>Reason for leaving: returning to engineering</i> <div>SQL Excel Python Power BI Forecasting</div>
<b>July 2018</b> <b>July 2016</b>	<b>Technical Officer, NOOSA COUNCIL, Noosa</b> <i>Local Council for the Noosa Shire</i> ASSET MANAGEMENT TEAM Business Owner for Council's strategic asset management systems. <ul style="list-style-type: none"><li>➤ Consultation and liaison with operational and capital works departments to compile 5 year pavement reseal program.</li><li>➤ Responsible for data integration and pavement deterioration modelling in SMEC.</li><li>➤ Modelling and analysis of risk-based stormwater network inspection prioritisation model to help co-ordinate inspection campaigns.</li><li>➤ 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.</li><li>➤ Building confidence in asset management across the organisation by working with engaging all with all departments providing awareness sessions.</li><li>➤ Works liaison in Noosa Council Disaster Management Coordination Centre.</li><li>➤ Implemented disaster information collection process for the National Disaster Relief and Recovery Arrangements for disaster funding and presentation of process at Technology One Local Government conference.</li></ul> <i>Reason for leaving: Seeking to solidify data science skills</i> <div>Asset management Pavement management Deterioration modelling SAM SMEC PMS R Python Excel QGIS</div>

March 2016 October 2012	<p><b>Project Manager (Asset Management), VINCI SA / SOLETANCHE-FREYSSINET, Paris, France</b>  <i>Global construction with expertise in specialised building, civil, hydraulic, and electrical engineering</i>            ADVITAM GROUP            Technical lead and project manager for international asset management projects.</p> <ul style="list-style-type: none"> <li>➤ Managing up to 5 projects following agile PMBOK style methodology (Freyssinet PM+) for project life cycle</li> <li>➤ Preparation of Maintenance and Inspection plans for highways (PR1Bina, Aegean Motorway), bridges (Normandy, Vasco de Gama, Rion-Antirion), tunnels (Duplex A86), and water networks (Tucson Water, Great Man-Made River Project)</li> <li>➤ Implementation of pavement deterioration modelling for highway concessions</li> <li>➤ Coordinating development of infrastructure management systems to meet client requirements</li> <li>➤ Specification and delivery for structural monitoring data capture instruments and analysis of outputs</li> <li>➤ Delivering presentations, and coordinating and leading training sessions with clients</li> <li>➤ Commercial representation at conferences, and preparation of offers and bid submissions</li> <li>➤ Undertaking structural inspection campaign for A86 'Duplex' tunnel, Paris, France</li> </ul> <p><i>Reason for leaving: Return to Australia</i></p> <div> <div>Project management</div> <div>Pavement management</div> <div>Deterioration modelling</div> <div>Asset management</div> <div>Asset inspections</div> <div>Site supervision</div> <div>ScanPrint IMS</div> <div>SAM</div> </div>
October 2012 March 2010	<p><b>Civil Engineer, NEWTON DENNY CHAPELLE, Lismore</b>  <i>Town Planning/Civil Engineering/Surveying consultancy for industrial, residential and commercial developments.</i>            CIVIL ENGINEERING            Undertaking preliminary and detailed engineering analyses and designs and managing consulting projects.</p> <ul style="list-style-type: none"> <li>➤ Stormwater modelling and design using MUSIC, CivilCAD and XP-RAFTS and preparation of design plans and documentation</li> <li>➤ Civil design including subdivisions, earthworks, pavement, stormwater and services</li> <li>➤ Preparation and submissions of technical engineering report to support development applications</li> <li>➤ Ensuring conformity with all relevant standards and regulations in design and supervision of construction quality</li> <li>➤ Negotiating development approval conditions and requirements on behalf of the client</li> </ul> <p><i>Reason for leaving: Downturn in available work</i></p> <div> <div>Civil design</div> <div>Project management</div> <div>Stormwater modelling</div> <div>Pavement design</div> <div>CivilCAD</div> <div>MUSIC</div> <div>XP-Rafts</div> <div>Site Supervision</div> </div>
November 2008 December 2007	<p><b>Structural Engineer, GHD ENGINEERING, Brisbane</b>  <i>Engineering company in water, energy and resources, environment, property and buildings, and transportation.</i>            MINING &amp; INDUSTRIAL STRUCTURES DEPARTMENT            Part-time - Undergraduate engineer modelling and preparing designs and project specifications.</p> <ul style="list-style-type: none"> <li>➤ Modelling and design using Space Gass and STRAND7</li> <li>➤ Preparation of technical specifications and project documentation and design criteria</li> </ul> <p><i>Reason for leaving: Completing studies overseas</i></p> <div> <div>Structural Engineering</div> <div>STRAND</div> <div>Space Gass</div> </div>
November 2007 July 2006	<p><b>Civil/Structural Engineer, TRACKSTAR ALLIANCE, Brisbane</b>  <i>Alliance between Queensland Rail, Thiess, United Group, Connell Wagner and Maunsell AECOM to rail projects in SEQ.</i>            CONNELL WAGNER            Part-time - work experience role preparing structural designs and rail alignments for a rail duplication project.</p> <ul style="list-style-type: none"> <li>➤ Design of retaining walls, slabs and rail bridges and alignments</li> <li>➤ Site Supervision during service location and site preparation</li> </ul> <p><i>Reason for leaving: Gaining different experience</i></p> <div> <div>Structural Design</div> <div>Site Supervision</div> </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

<b>Project Management</b>	Agile project management, and trained in Freyssinet PM+ project management (PMBOK equivalent): commercial offers, negotiating contractual issues, planning, risks analysis, tracking project budgets, personnel and time management, quality management. Led delivery of up to 5 simultaneous projects, up to €250,000 with profit margins of 30%.
<b>Asset Management</b>	Wide experience delivering and implementing strategic and operational asset management solutions (primarily highway concessions and asset owners), and experience as business process owner/system administrator in local council. Pavement deterioration modelling including implementation and delivery with ScanPrint IMS and modelling in SMEC PMS. Preparation of asset inventory manuals, inspection and maintenance plans.
<b>Engineering</b>	Structural and civil design, including roads, stormwater, subdivisions, and retaining structures for development applications and detailed construction certificate plans.
<b>Leadership</b>	Managing teams of up to 5 software developers, database designers, and electrical and instrumentation engineers, including remotely, to deliver work on time and to specifications. Successfully led change management including organisation wide asset management practices, implementation of supervision and reporting structures, and disaster management data collection processes to meet both internal and external requirements. Selected to represent Noosa Council at Local Government Management Associations Leadership Challenge in 2017.
<b>Communication</b>	Successful work history with people from diverse disciplines and backgrounds 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 multiple clients
<b>Reporting</b>	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. Development and implementation 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
<b>Analytics</b>	Data capture, cleansing, integration and use through statistical analysis and visualisations to provide insights. Developed risk model for storm water pipe infrastructure based on environmental and land use factors, as well as physical characteristics of pipe to optimise inspection campaigns.
<b>Software</b>	<ul style="list-style-type: none"><li>&gt; <b>Engineering and CAD software</b> (SMEC PMS, ScanPrint IMS, Civil CAD, AutoCAD, SIDRA, MUSIC, XP-Rafts, STRAND7, Space Gass)</li><li>&gt; <b>Enterprise systems</b> Microsoft SQL, Access, Office, Project, Excel, ERPs, Technology One</li><li>&gt; <b>Programming languages</b> (R, Python, vb.net),</li><li>&gt; <b>Web development</b> (Silverlight, html5),</li><li>&gt; <b>GIS</b> (QGIS, ArcGIS)</li></ul>

## LANGUAGES

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

## OTHER INTERESTS

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