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| **Email:** | Joseph@youngheroengineer.com |
| **Mobile:** | 000 000 000  |
| **LinkedIn:** | Your linkedIn link |
| **E-Portfolio:** | Incert link if you have one |

**career objective**

#### Civil Engineering experienced in Structural design, Geotechnical Design, Project Management, Transport, Estimation and Environmental engineering looking for a graduate position.

**Education**

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| **B.E. (Hons.) in Civil Engineering** **University of Technology Sydney (UTS) – Sydney, NSW*** WAM of 81.73 (GPA of 6.24), Graduate in First Class Honors.
 | **Mar 2018 – Oct 2021** |
| **Diploma of Engineering** **University of Technology Sydney (UTS) – Sydney, NSW*** GPA of 6.3.
 | **Mar 2017 – Nov 2017**  |
| **Diploma of liberal studies****Regis University – Denver, Co, USA** * WAM 87.5.
 | **Jan 2015 – Nov 2016**  |

**Technical skills**

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| **Software:** | Space GASS (2 years), Microstran (3 years), RAPT (1 year), AutoCAD (4 years), Strap (1 year), GeoStudio (2 years), PLAXIS (2 years), Solid work (2 years), M.S. Excel (5 years), M.S. Project (3 years), MATLAB (1 year), HEC-RAS (1 year), and HEC-HMS (1 year). |
| **Design:** | Comprehensive knowledge in Steel, Concrete, Civil, Hydraulics, wind and Timber design, utilising design software and Australian Standards: AS3600, AS4100, AS1720, AS1170 (1 to 3), and AS4678. |
| **Contract:**  | Minor Works Contract, General Condition Contract and AS4000. |
| **Licenses:** | Driver's License, Construction White Card & RIW (Rail Corridor Access). |

**Employment Summary**

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| **Project Manager** **Company1*** Identified critical project milestones and was promoted from contract administration to Project Management in less than 6 months due to high attention to detail.
* Supervised 10 subcontractors and 12 site managers by issuing work orders, discussing scope of work and technical specifications.
* Ensured all company projects had a minimum of 30% profit by preparing project budget and program.
* Increased team productivity to 100% by making new company procedures to help new employees quickly adapt to new positions.
* Finalised project handover document by ensuring all subcontractor work was certified and all as-built drawings were acquired during defect liability period.
 | **Jan 2021 – Dec 2021**  |
| **Structural Engineer** **Company2*** Analysed and designed structures using Microstran, SpaceGASS, RAPT and Strap to determine critical points and enhance design.
* Utilised AutoCAD to produce structural design drawings and ensure design is according to AS3600 and AS4100 to maintain high company standards.
* Authored technical reports by performing site inspections, evaluating structural fault, and providing recommendations for legal and professional purposes.

 | **Jun 2020 – Jan 2021**  |
| **Undergraduate Structural Engineer****Company3*** Assessed bridges condition (valued at $348k) at XXX council and was in charge of inspecting 120 bridges and roads and submission to council.
* Tendered for remedial, structural, civil and hydraulic works and was able to bring a total of $700k in revenue.
* Improved team productivity by 100% through assigning engineering to new jobs based on workload and experiences and tracking company performance.
 | **Jan 2019 – Nov 2019**  |

**Clubs and Volunteering**

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| * Insert If any
 | **Jul 2017 – May 2021** |

**University Projects**

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| **Nutrient Removal from Wastewater Treatment Plant**Investigated wastewater treatments technologies to improve quality of recycled water and extract nutrients such as Phosphorus and Nitrogen to be treated as fertilisers. Mark of 92% achieved. | **Mar 2020 – Feb 2021** |
| **Geotechnical Analysis Project**Undertaken geotechnical analysis on new development by assessing consistency of soil from SPT test, design of retaining walls, strip footing, and settlement. Received an overall mark of 90%. | **Mar 2021 – Jun 2021** |
| **Transport Modelling and Operations**Analysed transport congestions of an area in Perth by calculating trips through different transport methods and offering solutions to attract people to public transport. Received a mark of 93%. | **Mar 2021 – Jun 2021** |
| **Computer Modelling using Microstran**Teamed with 4 students to design a truss using Microstran for a cost-effective solution with fewer materials while keeping its structural integrity; design was in top 5 designs. Overall mark of 91%. | **Mar 2021 – Jun 2021** |

**references**

 Available on request.