

ENGINEERING INTERN Personal Summary

Age -22 years

Permanent Residency of Australia and New Zealand Citizen

Currently Living in Sydney Australia .

Knowledge Base

- C/Python
- R
- STK
- CATIA
- ANSYS
- LaTeX
- SolidWorks
- Microsoft Office
- Microsoft Project

Academic Background

High School Diploma , MATHEMATICS,PHYSICS,CHEMISTRY,ENGINEERING 2012 NORTMEAD HIGH SCHOOL ¼ City , State , AUSTRALIA

- Ranked 1st place in 2 Unit Mathematics, Physics, Chemistry and Engineering Studies
- Ranked 3rd place in Extension 1 Mathematics and English Advanced
- Received 2nd highest ATAR in school

Bachelor of Science , BE Bachelor of Engineering (Honours) (Aerospace) 2017 UNIVERSITY OF NEW SOUTH WALES (UNSW) ¼ City , State , AUSTRALIA

- Maintained Distinction WAM of 79.42 in final 2 years of university
- Obtained High Distinction and Distinction results in some of the most advanced 3rd and 4th year subjects in the engineering faculty such as:-
(Dynamics of Aerospace Vehicles/Avionics, Finite Element Methods, Aerodynamics, Professional Engineering and Communication and Thesis using MATLAB programming)

Certifications and Credentials

- Scrum Fundamentals Certified
- Data Science Fundamentals Certified
- Oracle SQL Developer
- Advanced SQL: SQL Expert (under progress)

Experience

Engineering intern Feb 2017 to Apr 2017

Company Name ¼ City , State

Achievements.

- Collaborated with a team of engineers of different fields with the goal of creating technical solutions for product concerns raised by customers and produced test record documentation containing solutions for customers.
- Contacted customers directly to verbally convey test result and explain solution procedure along with the written documentation.
- Successfully independently scoped business opportunities through technically analysing possible options and presented information to the company Director.
- Independently and autonomously researched FAR regulations to successfully create test record sheets containing correct load values and test methodology for structural load testing on seats in aeromedical transport vehicles.
- Quickly learned about production article conformity procedures taught by CASA regulatory authorities and applied knowledge and techniques to autonomously measure articles with appropriate measuring equipment and tools in strict timeframes.
- Reported nonconformities and provided recommendations for modifications directly to the design engineer.
- Built, tested and verified products through performing functional and qualitative inspections to discover faults and issues in production articles.
- Deduced failure modes in items that undergo structural load testing using problem solving skills and analytical skills using Finite Element ANSYS software.
- Independently created equipment supports that are integrated on safety barriers through analytical and CAD-assisted design and through construction using mechanical engineering methods, tools and equipment.
- Desoldered and soldered electronic components onto circuit boards to rapidly create multiple fully functioning LED lights used in electronic medical equipment.

Sales Representative May 2016 to Jan 2017

Company Name 1/4 City

- Efficiently recorded Sales Orders and Purchase Orders of fire and warning systems, Down lights, electrical fittings and cameras.
- Displayed excellent customer service skills and interpersonal skills through communicating with Australian and International customers over the phone to provide information on products and maintaining regular email and phone contact with customers.
- Collaborated with the sales manager to provide updates on progress of accounts.
- Prepared and followed up on customer quotes, turned leads into appointments.
- Provided training for customers to ensure they efficiently clean, correctly use and maintain the company's product and applied a regular follow-up process.
- Maximizing every sales enquiry through up-selling to new customers and identifying sales opportunities from basic repairs and maintenance to existing customers and ensuring all email and telephone enquiries are answered within 20 minutes.
- Displayed ability to focus in high pressure environments from calmly handling customer complaints.
- Showed flexibility through collaborating with the administration team at demanding times to complete administrative tasks and update records.
- Demonstrated attention to detail through utilizing time management skills from setting goals, prioritizing tasks and creating schedules to work to strict deadlines.

Tutor Feb 2016 to May 2016

Company Name 1/4 City , State

- Tutored students in one-on-one classes and in group classes using effective teaching techniques to help students ranging from year 1-12 with their difficulties in science, mathematics, physics, chemistry and English.
- Provided assistance to students ranging from year 1-12 in fast-paced homework help classes.

Mechanical Design Engineer Aug 2015 to Jul 2017

Company Name 1/4 City , State

- Shared the responsibility of designing a CubeSat as the leader of the mechanical design team for entry into the Canadian Satellite Design Challenge (CSDC) in SolidWorks, which was structurally tested in ANSYS and 3D printed upon completion of design.
- Communicated with teams of other fields using JIRA.
- Involved in constructing a Mars Rover for entry into the European Rover Challenge (ERC).
- Led the mechanical team in designing a Gimbal gyroscopic testbed for a Reaction Wheel System in SolidWorks that was displayed to future students in the form of a 3D printed model.
- Trained new members of the mechanical team on using SolidWorks and taught thermal, electrical and structural concepts.

Memberships

BLUEsat (Basic Low Earth Orbit UNSW Experimental Satellite) Group Engineers , Australia

Achievements

- Shared the responsibility of designing a CubeSat as the leader of the mechanical design team for entry into the Canadian Satellite Design Challenge (CSDC) in SolidWorks, which was structurally tested in ANSYS and 3D printed upon completion of design. Communicated with teams of other fields using JIRA
- Involved in constructing a Mars Rover for entry into the European Rover Challenge (ERC)
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Community services

Social Support and Youth Services Volunteer at Karabi community & Development Services, Wentworthville ,Sydney AUSTRALIA

October 2016 and on-going

Achievements

- Displayed passion for social service and support through teaching, facilitating and setting up activities and events for the elderly, people with disabilities and children
- Provided assistance in administration and creative work in office
- Facilitating and supervising youth in school holiday programs

Personal Interests and Hobbies

Traveling | Tennis | Hiking | Statistics | CAD & 3D drawing | Aircraft | Spacecraft | Astronomy