

YE YUAN

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Career Profile

Completed a 2-year Master of Engineering Science (Mechanical engineering) and a 4-year Bachelor of Engineering (Mechanical engineering)

Gain advanced Solidworks, and ANSYS skills through projects in UNSW and DLUT.

Multitask ability and ability to work under high stress through 6-month kitchen hand experience.

Completed 1 bidding document and 3 Feasibility Study Reports (FSR) for government construction projects.

Self-study programmer in Python and web development.

Education

Master of Engineering Science (Mechanical Engineering) Feb 2017-Nov 2018

University of New South Wales (UNSW), Sydney

Bachelor of Engineering (Mechanical design and manufacturing Engineering) Sep.2012-Jun 2016

Dalian University of Technology (DUT), China

Relevant Experience

Assistant Cost Consultant Aug 2016-Jan 2017

Zhongshi Engineering Bidding Consultation Co. Nei Mongol, China

-Completed 1 bidding document on Energy Consumption and Profitability Estimation for Mining Site Construction and 5-year Operation using Microsoft Excel and Word.

-Prepared 3 Feasibility Study Reports (FSR) for construction companies on local government projects using Microsoft Excel and Word:

Constructing main roads and highway green belt

Constructing large scale farm for Aberdeen Angus

Replacing old urban road lighting, draining system, and green belt

-Coordinate with government project managers according to report needs

Mechanical Engineering internship Mar 2015-Jun 2015

AVIC Shenyang Aero-Engine group corporation Liaoning, China

-Comprehended the military scale Aero Engine production procedure.

-Comprehended the main manufacturing process craft requirements.

-Familiar with the factory safety requirement.

Additional Experience

Kitchen hand Nov 2018-May 2019

Maroubra Seals Club Sydney, NSW

In responsible for salad making, dishes decoration, and ingredient preparation in an extremely fast-paced kitchen.

Waiter and duty manager

Nov 2018-May 2019

Maroubra Seals Club

Sydney, NSW

Providing good quality table service, waiter management, and training new staff.

Projects

Redesigning golf cart prototype for mass production purposes.

Jun 2018-Nov 2018

Redesigned the prototype of a golf cart as a group. In responsible for modeling and redesign of all structural parts for manufacturing purpose and lighter weight in the aid of ANSYS and Solidworks followed VDI2221.

Porous media camp stove design

Sep 2017-Nov 2017

Designed a prototype camp stove from the sketch as a group.

3D modeling of the prototype using Solidworks, and adjusted the structure according to the property of porous media.

Designed a fan structure for better heat absorption according to ANSYS results.

Generated 2D CAD drawings (parts and assembly) in Australian Standard for further production.

Course score: 85% (HD)

Designed and tested the micro grove structure in the micro heat pipe.

Mar 2016-Jun 2016

Designed and fabricated the micro heat pipe behind a LED matrix, and tested the performance.

Thesis: Wick Structure Optimization for Micro Heat Pipe

Course score: 81% (D)

Specialized milling fixture designing and drafting

Sep 2015- Dec 2015

Design and freehand drafted a specialized fixture for milling of a connector according to the 2D draft of the connector in Chinese Standard

Skills

-Solidworks	-Leadership and communication skills
-ANSYS	-Multitask ability
-Autodesk Inventor	-Python
-AutoCAD	-Html
-Microsoft office WORD, PPT	-CSS3
-MATLAB	-JavaScript
-Engineer Australia Certification (Mechanical Engineering)	-PTE 70
	-NAATI Translator certificate