

Bowen Yuan (Bourne)

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I. SUMMARY:

Familiar with data analysis, machine learning and cloud computing technologies. Recently graduating who have mastered multiple programming languages and environment development tools and have internship experience in multinational companies and large enterprises. Looking for positions related to software (front-end / back-end) development, data analysis or electrical engineering.

II. WORK EXPERIENCE:

Graduate software developer – ByAsia food import ltd. Sydney 8/2020-Present

My job in ByAsia is mainly about two parts. I need to write SQL to print view for team to analyze the sales data. I also need to help team implement two systems: warehouse management system and inventory management system.

Role included:

- Writing SQL to print the view of data team needs,
- Analyzing warehouse requirements to pick a suitable management system,
- Diagnosing IT system problems,
- Providing advice on technology practice,
- Training staff to use the new IT systems.

III. PROJECT EXPERIENCE:

1. Water Quality Schedule

Brisbane 09/2019 – 11/2019

WQ Schedule is a task manager system designed for the Science Delivery Branch of the Queensland's Department of Environment and Science.

Customer Represent: Jacob Gruythuysen (jacob.gruythuysen@des.qld.gov.au)

Role: Front-end Developer, Agile development under the Scrum framework

Product Outcome:

- WQ APP – A mobile application based on React native.
- Task manager – Based on Node.js (Express) and MongoDB (mongoose)
- Data operation Interface – Based on Restful API and JSON

2. Interacting in Virtual Reality with Brain Signals and Smile

<http://empathiccomputing.org/>

Brisbane 03/2019 – 11/2019

Final Year Project Tutor: Dr. Arindam Dey (a.dey@uq.edu.au)

The project aims to compare a new interaction method, Facial Expression, with common handled controller in three different environments, Happy (catching butterfly), Neutral (collecting box), Scary (shooting zombies).

Project Outcome:

- Zombie Shooting Environment – A environment developed by Unity3D (C#)
- Node Red control flow – A flow transforming facial expression to keyboard input
- Questionnaire – A Questionnaire organized to let participant evaluate the experiment process
- Experiment result and analyze – Data analysis with SPSS statistical package

IV. INTERN EXPERIENCE:

3M CHINA LTD

Shanghai 12/2018 – 02/2019

- S: By the end of year, manager needed to know the sales situation of the year
- T: Present data to manager in the group meeting
- A: I collected data and aggregated it into an Excel table. I used Python. pandas to visualize it in the form of pie chart, bar chart and line chart. I also used Choropleth map to show the Market shares of provinces crossed China.
- R: I made a presentation with power-point to present the data to the manager and praised by him.

V. EDUCATION:

Coursera

Online 02/2020 – 03/2020

IBM Data Science Professional Certificate

University of Queensland

Brisbane 02/2018 – 12/2019

Mater of Information Technology

University of Liverpool

Liverpool 09/2015 – 07/2017

Bachelor of Electrical and Electronic Engineering

VI. IT Skills:

Program Language: C++ | Java | Python | C# (Unity3D) | JavaScript (ECMAScript 6) | HTML/CSS

Framework: React Native

Data-base: MySQL

Tools: Unity3D | Git | Visual Studio | Android Studio | IntelliJ Idea | Jupyter Notebook

Operation System: Linux Fedora | Windows 10

VII. Other:

1. Sending information in SMS using Sigfox

09/ 2016 – 06/ 2017

Final Year Project

Liverpool. United Kingdom

This project is using Sigfox development kit and Arduino to send GPS and temperature information to mobile phone in SMS. I needed to program Arduino in C++ to send information to the server of Sigfox.

2. XINJIE ELECTRONIC CO., LTD

06/ 2016 – 08/ 2016

Engineer Assistant

Wuxi. Jiangsu

Responsible for PLC detection and repair, analyzing the cause of the failure and summarizing the problem and giving feedback to relevant departments.

3. KOYO ELECTRONICS INDUSTRIES (Wuxi) CO., LTD
Tech Assistant
Participating in design verification and organizing technical documents.

06/ 2015 – 08/ 2015
Wuxi, Jiangsu

4. English:
PTE: Overall Score: 70