

Kemp Thornton

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I bring a data driven, analytical and commercial mindset to organisations; coupled with a continually improving skill to communicate output throughout any level within a business. I have a passion for applying analytics to help drive management decision making and understand its growing importance.

Personal projects

A/B test design platform 2022

A POC tool I built using R to help my team at Atlassian share with their stakeholders the required traffic and runtime to complete statistically significant A/B tests ([website link](#)).

AFL betting model 2021/22

R program to determine favourable bets on head-to-head AFL matches. The supervised ML model will update and retrain before each round.

Broadacre yield mapping 2021

Wanting to improve my Tidyverse (R) programming ability, I built a POC tool for mapping paddock yield and elevation using data collected from combine harvesters ([website link](#)).

Guest speaker 2020/21

In 2020 and 2021 I presented to the first-year Data Science cohort at Curtin University. I spoke of my time with CBH Group and Atlassian, the projects I worked on and how data science differs between the industries.

CFA research challenge 2020

An international competition run by the CFA Institute. Teams across Australia valued and produced an investment report for Sydney Airport, pitching our research before a panel of judges.

Technical skillset

Predictive modelling	R (Tidyverse)
A/B testing	SQL
Descriptive/prescriptive	Python
/exploratory analysis	Power BI

Leadership & management

Manager for CBH Group at a receival site during the 2017/18 grain harvest. I led a small team in the receival, storage and handling of over \$4m of grain. The role involved managing the wellbeing, performance, and all work operations on site of staff and contractors. Good communication, clear direction and teamwork were required as there was no mobile or radio communication.

Experience

Atlassian

Sydney, NSW

Data Scientist, Product Analytics – Agile & DevOps

Jan. 2022 – Present

Intern Data Scientist, Ecosystem (remote)

Nov. 2020 – Feb. 2021

- Working in a start-up like team to quickly deliver analyses of features across the Atlassian toolchain and communicate findings, provide recommendations, and identify further areas and opportunities for investigation
- Software analytics in understanding developer productivity, using current industry standard frameworks including DORA and SPACE metrics to understand the drivers of highly effective engineering teams and working to develop a framework to provide recommendations to help teams improve
- Investigating user behaviour and product performance to find insights from data, including identifying and understanding areas of friction for customers and providing solutions to reduce pain points
- Creating OKRs for the wider team of contributors (engineering/design), including building dashboards to monitor the impact of our initiatives
- Leading projects and streams of work, including A/B testing of new features to understand the impact and value to customers, and product analytics

CBH Group

Perth, WA

Data Scientist, Planning

Jun. 2021 – Dec. 2021

Undergraduate Data Scientist, Planning

Dec. 2019 – May 2020

- Building tools (e.g., geospatial maps, metric dashboards) used by internal staff and executives to assist in their decision-making process, with a strong focus on improving the harvest receival delivery experience for drivers and site capital expenditure allocation using explainable analytics
- Understanding and improving the data capturing process to ensure the accuracy of operational data and inputs being used company-wide for analyses and calculate metrics including KPIs
- Streams of work including efficient allocation of machinery to share limited assets and finding opportunities to improve on the company wide KPI (cycle time), which led to discovering an opportunity to improve by 15%
- Creating geospatial maps and dashboards using R, R Shiny and Power BI; with a focus on distance from farm to receival point for building grower profiles
- Working with data from multiple sources to derive metrics and perform analytics to enhance site planning and identify operational improvements

Curtin University

Perth, WA

Sessional Academic

Jul. 2019 – Nov. 2020, Jul. 2021 – Nov. 2021

Teaching units: Data Structures and Algorithms, Fundamentals of Programming

- Introducing students to concepts such as recursion and fundamental data structures, including stacks, queues, linked lists, trees, hash tables and heaps
- Demonstrating complexity analysis of these data structures and algorithms
- Teaching the basic skills of Python programming, including data visualisation and object-oriented programming
- Giving personalised feedback through the marking of tests and assignments

Education

Curtin University

Perth, WA

Bachelor of Science, Bachelor of Commerce (double degree)

2018 – 2021

Majors: Data Science (BSc), Finance (BCom)

Grade: CWA 78.2%, GPA 3.6/4

Achievements: Letter of Commendation (semester 1 & 2 2020, semester 1 2021)