

# SAMUEL KNIGHT

DATA ANALYSIS, ENGINEERING & VISUALISATION

## SUMMARY

Data analyst with enthusiasm for data engineering and information design. Highly numerate, strong problem solver.

## CONTACT

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in [linkedin.com/in/samueltobyknight](https://linkedin.com/in/samueltobyknight)

🐦 [@5amCurfew](https://twitter.com/5amCurfew)

🐙 [github.com/5amCurfew](https://github.com/5amCurfew)

## TECH STACK

**JavaScript** D3, Node, Express

**SQL** Postgres, MySQL, Redshift

**R** Shiny, ggplot2, tidyverse

**NoSQL** MongoDB

**Git, Docker, dbt, bash, Airflow**

## PROJECTS

**CV-chat** is a Node.js chat application that blocks toxic messages using a TensorFlow.js model.

**Toepunt** is a Poisson regression model built in R to predict EPL and EFL matches using FIFA team ratings. UI & API built in Javascript.

**Metrica-d3** is an application to view football match events with Voronoi diagrams of the pitch using D3. Data hosted in an AWS S3 bucket.

All projects can be found on [5amcurfew.github.io/cv](https://5amcurfew.github.io/cv)

## EXPERIENCE

### Data Analyst

Signal-AI | Oct, 2019 - Present



Orchestration (Airflow), warehousing (AWS Redshift) and modelling (dbt, Kimball) for data analytics. Data sources included UI event tracking (Segment), email interactions (Mailgun), commercial data (Salesforce) account production databases (Postgres) and more (including Dynamodb). Analysis of clients behaviour, business health metrics, strategy KPIs and product success distributed using Metabase and R Shiny dashboards.

### Investment Manager

The Wine Investment Fund Ltd | Sept, 2017 - Sept, 2019



£30m a.u.m. Improved defining market positions, identifying trading opportunities using in-house algorithms (R, APIs) and portfolio management in addition to controlling exposure with exchange platforms and auction houses. Market analysis and performance was frequently reported to investors.

### Data Analyst

Liv-ex Ltd | Nov, 2015 - Sept, 2017



Responsibilities included oversight of the database architecture (MySQL), developing business and market intelligence tools (R, Qlik) in addition to producing reports to maximise trading opportunities, analyse patterns in user behaviour, explore price developments and evaluate business KPIs.

## EDUCATION

### BSc Econometrics & Operations Research

Rijksuniversiteit Groningen  
2011 - 2015



## INTERESTS

