

SAMUEL KNIGHT

DATA ANALYSIS, ENGINEERING & VISUALISATION

SUMMARY

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

CONTACT

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

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

 github.com/5amCurfew

TECH STACK

R Shiny, ggplot2, tidyverse

SQL Postgres, MySQL, Redshift

NoSQL MongoDB

JavaScript D3, Node, Express

Git, Docker, DBT, bash

PROJECTS

Dark-Mode-Strava is a Node.js application using oauth2 to visualise running app Strava data in a dark colour scheme.

dark-mode-strava.herokuapp.com.

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

5amcurfew.github.io/toepunt-ui

Metrica-d3 is a web application to view match events with voronoi diagrams of the pitch using D3. Tracking data hosted in an AWS S3 bucket.

5amcurfew.github.io/metrica-d3

EXPERIENCE

Data Analyst

Signal-AI | Oct, 2019 - Present



Responsibilities included development of the analytics data-model (and ETL) using a variety of sources including tracking APIs (Segment), Salesforce, Mailgun and internal software (data model built using DBT in Redshift) and creating tools to analyse clients behaviour, monitor business health metrics, define strategy KPIs and measure product success.

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, web-apis & web-scraping) and portfolio management in addition to controlling exposure with exchanges 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), develop 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.

SOFTWARE

Qlik, Tableau, Affinity Designer, Metabase, Redshift, Microsoft Office, Google Docs, Github, advanced MS Excel, Salesforce, Google Analytics, RStudio, Jira, Segment, Jupyter, VS Code, Slack

EDUCATION

BSc Econometrics & Operations Research, Spec. Generalised Linear Models

Rijksuniversiteit Groningen
2011 - 2015



INTERESTS

