

Paimoe Tapsell

DATA SCIENTIST | SOFTWARE ENGINEER

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Education

Edith Cowan University

BACHELOR OF SCIENCE; DATA SCIENCE AND MATHEMATICS

Perth, Australia

2019-2022

- **Australian Mathematical Sciences Institute** — Summer Vacation Research Scholarship 2021

Skills

Languages Python, Javascript, PHP, SQL

Frameworks Primarily backend using Flask, Django, numpy, pandas. Frontend with AngularJS and Vue. Devops both with hosted nginx on Linux and in the cloud with AWS.

Experience

Artrya

DATA SCIENTIST/SOFTWARE ENGINEER

Perth

November 2021 - PRESENT

- Creation and enhancement of internal data annotation tooling using Javascript, Redux, and canvas elements
- Training of Machine Learning models to segment both the aorta, and other coronary vessels, in CT scans
- Use of data augmentation to improve model performance
- General backend platform development, with django as the framework and AWS services supporting it via Terraform
- Construction and management of an internal data warehouse to support the Research team. ETL process built using Prefect

RugbyBot

FOUNDER

rugbybot.com

2021 - PRESENT

- Development of database of rugby fixtures, with detailed labelling of match events
- Use of database in exploratory statistical analysis. Annotation tools created to increase speed of labelling
- Use of fixtures to provide engagement in rugby-focused community on reddit

Sheep Backups

FOUNDER

Perth

2018 - 2019

- Full stack development. Backups application to perform server backups, restores, tracking and logging, notifications
- Integration with Stripe for logging and accepting payments. Python module released on Pypi

Rugbydump

PRIMARY DEVELOPER

Perth, Czech Republic

2009 - 2018

- Full stack, PHP/SQL development
- Transition from previous Blogger hosting into new framework
- Set up and manage servers, running Nginx, Apache, Redis on dedicated hardware
- Front end development including new markup and styles, as well as interactive technologies via AngularJS
- Redirection of all former links to maintain search engine rankings. Handling of traffic surges on initial launch as well as major events. Server status monitoring
- Continuous update of framework over years to take advantage of newer technologies incl. admin features, admin user system, live comment system, social media integration

Tangoo

REMOTE FREELANCE

Perth, Vancouver

2016 - 2018

- Fixes and modifications for Tangoo webapp and API (MEAN stack)
- Multiple wordpress setups, configurations and maintenance
- Server configuration and upkeep for new urls and subprojects

CPAP.com

REMOTE FREELANCE

Perth, Houston

2012 - 2015

- Remote worker for medical shopping website
- Working on both customer-facing and staff-use features
- Worked through to clean up old decade-old code to bring it up to date with modern technologies
- Full remote and team co-ordination through web-based ticket system
- Front end maintenance and features when required