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Johann Wagner

PROFESSIONAL SUMMARY

I'm Johann, a data enthusiast driven by a love for continuous self-learning. With a passion for data-driven solutions, my journey navigates the vast realm of data science/analytics and championing Open Science. My professional life goal is to exercise my instinctive drive to continuously learn and thrive by surrounding myself in unique data spheres.

Programming	Interpersonal	Knowledge
• R (Script & Markdown & Shiny)	• Enabler / self-leadership style	• Data science workflow
• Python	• Active empathetic listener	• Econometric time series models
• ArcGIS	• Trust-centered coaching approach	• Economic modelling
• SQL / SAS	• Adaptability between big picture and detailed thinking	• Spatial Visualisation
• MATLAB / JMP / STATA		

EXPERIENCE

Department of Education — Economic / Data Analyst   July 2023 – Present

- Economic modelling the returns to education; forecasting the early childhood education and care workforce shortage; upskilling R programming and data capabilities. Use of HILDA/LSAY surveys and ABS PLIDA data products.

Nous Group — Intern Consultant   September 2022 – November 2022

- Evaluation projects with the Department of Health and Aged Care, survey analysis and spatial visualisations in R, Azure DevOps, Agile methodology, report and proposal writing

CO2 Australia — Geospatial Data Technician   June 2022 – December 2022

- Responsible for data management and data digitisation of tree canopy shapefile layers using ESRI ArcGIS

Australian Bureau of Statistics — Student Data Scientist   March 2022 – July 2022

- Designing deterministic and probabilistic data linkage strategies in SAS / R / Python integrating various government administrative data to produce the Multi-Agency Data Integration Project (MADIP).

ACT Health (COVID-19 Response) — Data Officer   April 2021 – April 2022

Assisting the lead data scientist in creating data products in R informing data-driven intelligence to the Response.

- Responsible for producing data de-identifying/cleaning/wrangling/debugging R scripts to facilitate reporting and analysis of COVID-19 patterns to assist in the public health response.

- Conceptualised GIS-based solutions in R Markdown to improve the public communication of public health orders using spatial data visualisation integrating COVID-19 health data and ABS ASGS data.
- Maintained data dictionaries and catalogues promoting effective data governance within the Response.
- Founder of an active weekly work culture activity, *Frisbee Fridays*, focusing on the improvement of the mental and physical wellbeing.

National Skills Commission — Junior Economist   **June 2021 – Dec 2021**

Nowcasting a national indigenous employment-to-population ratio using machine learning processes in R.

- Responsible for data cleaning/enriching various data sources (ABS Labour Force Survey, ABS Census, HILDA, Burning Glass, NSC Internet Vacancy Index, ABS Weekly Payroll Jobs).
- Smoothing multiple models (Random Forest, Gradient Boosting, and Elastic Net) into a single estimate.

EDUCATION

Australian National University — Bachelor of Science & Bachelor of Economics

January 2019 – December 2024

- Major in Quantitative Environmental Modelling, and Economics
- Minor in Econometrics & Applied Statistics
- 6.367 GPA
- ANU College of Business and Economics Special Industry Project Excellence Award
- ANU College of Business and Economics National Excellence Scholarship

German International School Sydney — International Baccalaureate

Completed in May 2018

- 99.40 ATAR / 42 IB Score
- Head of Student Representative Council

VOLUNTEER EXPERIENCE

ANU Ultimate Frisbee Club 2021 / 2022   -   Club Treasurer / Head Coach

Burton & Garran Hall 2019/2020/2021   -   Bar Manager / Treasurer / Running Coach / Frisbee Coach

National Youth Science Forum 2018/2019   -   Student Staff Leader

AWARDS

- Rotary Youth Leadership Awards 2020
- Toastmasters Youth Leadership Program for Public Speaking and Leadership
- London International Youth Science Forum
- German Language Certificate at level C1 (professional working proficiency)

REFERENCES

References given upon request