

NANGOSYAH TOM WELLARD

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PROFESSIONAL SUMMARY

Strategic data and development professional with a background in statistics, machine learning, and bioinformatics. Experience delivering multi-sector projects across energy and finance in Sub-Saharan Africa. Proven ability to design data-driven business models, lead cross-functional projects, secure grant funding, and engage stakeholders. Passionate about applying analytics to drive innovation and sustainable impact.

CORE SKILLS

- **Data Science & Analytics:** *Python, R, predictive modelling, survey design, statistical analysis and bioinformatics.*
- **Business & Financial Modelling:** *Experience building credit scoring models, unit-economics analyses and go-to-market strategies for energy and social enterprises.*
- **Project & Expansion Management:** *Leading cross-functional teams, managing pilot launches and branch expansions, and ensuring grant compliance.*
- **Stakeholder Engagement:** *Grant writing, fundraising and reporting; liaising with donors, utilities and community partners.*
- **Impact Evaluation:** *Designing data-collection tools, dashboards and analytic pipelines to inform strategic decisions and measure programme outcomes.*

PROFESSIONAL EXPERIENCE

EnerGrow - Consultant, Clean Cooking (Sep 2025 - Present)

EnerGrow is a micro-finance, financing productive appliances and providing training to boost rural electricity demand.

- Automated EnerGrow's analytics pipeline and built portfolio dashboards, cutting manual reporting time by 80 % and providing real-time insight to credit teams.
- Mapped national ethanol supply chains and modelled unit economics to shape the company's ethanol-cooking go-to-market strategy.
- Designed product-line and pilot launch blueprint for clean-cooking venture and collaborated with partners to craft financial models and investment decks.
- Developed data-driven go-to-market strategy, informing fundraising efforts and positioning the business for expansion into the ethanol market.

Student Researcher - Data Science Institute (DSI), (UHasselt, June 2025 - Sept 2025)

- Designed and implemented a high-performance data pipeline that used open-source large language models on an HPC cluster to convert unstructured clinical notes into structured datasets for downstream research.

EnerGrow - Research & Development Consultant (Jan 2022 - Jul 2024)

- Co-authored grant proposals securing more than \$1 million from donors (CLASP(\$58k), MECs(77k), GIZ(\$56k), Doen Foundation(€565k, Good Energies(\$216k).
- Created company-wide analytics processes and dashboards, enabling data-driven decisions across sales, marketing and credit.
- Developed credit-scoring models and data-collection tools that kept loan-default rates below 20% and improved customer assessment and engagement.
- Authored Standard Operating Procedures for loan and asset-financing programmes, improving process consistency and scalability to 2 new markets.

EnerGrow - Project Manager (Aug 2020 - Dec 2021)

- Co-wrote and secured a \$260k grant for a women-led productive-asset financing pilot in Mbale.
- Led the launch of EnerGrow's first branch outside Kampala, serving 200+ customers and financing over \$100k in assets.
- Developed pilot strategy, oversaw marketing and credit verification, and ensured compliance with donor reporting.

EnerGrow - Research & Data Analyst (Feb 2018 - Dec 2019)

- Designed and analysed surveys of 4,000+ customers, informing EnerGrow's business strategy and early asset-financing model.
- Produced analytical insights supporting a \$17k grant from Uganda's Ministry of ICT and a \$76k Utilities 2.0 project.
- Streamlined data-collection and analysis processes, reducing turnaround time and improving data integrity.

Inachee - Research Associate (Apr 2016 - Dec 2017)

- Authored 20+ sector-analysis reports to support research monetisation, translating complex market data into actionable insights.
- Managed research data repositories and contributed to strategies that generated new revenue streams.

EDUCATION

- *Master of Statistics and Data Science, University of Hasselt, Belgium (2025)*
- *Bachelor of Science in Quantitative Economics, Makerere University, Uganda (2017)*

LANGUAGE

English: Full professional proficiency

REFERENCES

On Request