Samson Raymond

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EXPERIENCE

Product Developer - AI/ML Engineer | Cymo B.V | The Netherlands | August 2024 - Present
- Developed and engineered deep learning models for endoscopy devices boosting precision by 20% and reducing false alarms by 10%.
- Investigated, coordinated, and facilitated the research the integration of generative AI for Medical Edge devices.
- Devised, tested, documented, deployed and monitored ML pipelines using AWS SageMaker.
- Conducted and managed meetings and briefings for product development with team members.

Research and Development R&D Intern - AI/ML Focused | Tata Steel | The Netherlands | September 2024 - March 2025
- Designed and implemented a predictive maintenance AI to assess printed coil legibility on hot strip coils in steel manufacturing plant.
- Applied deep learning and computer vision pipelines, boosting system accuracy by 25% and reducing manual verification time by 40%.
- Deployed and migrated the system on Azure, integrated an ETL data-pipelines for scalability.
- Delivered and presented technical findings to the R&D department and consulted with stakeholders on how to use the system in production with a clarified technical requirement.

Logistics Technician | Scania | The Netherlands | June 2022 - August 2024

Scania is a manufacturer in Automotive Industry.
- Gained early experience in data systems and operational process design within a manufacturing environment.
- Administered Oracle database system to control orders, optimize inventory, and reduce stock errors by 15%, classified and documented workflows, trained and guided colleagues.
- Implemented comprehensive safety protocols and established standardized procedures, reducing workplace incidents and enhancing overall operational safety.

EDUCATION

Masters in Smart Systems Engineering | Hanze University of Applied sciences | The Netherlands | 2023-2025
- *Relevant Courses completed: Cloud Computing, Data Engineering, Applied Machine Learning, Digital Twin (IoT), Robotics, Product Design, Sensor Application Specialization, Sustainable Research Skills, Data Centric Architecture, Data Fusion Architecture, Professional Skills and Contributions.*

Bachelors in Oil and Gas Engineering | University of Oil and Gas | 2018-2022
- *Relevant Courses completed: Geology, Industrial Geophysics, Well testing and Survey, Information Systems, Offshore Oil and Gas Technology, Electrical Engineering.*

SKILLS

Programming & Data: *Python, SQL, Bash, Pandas, NumPy, SciPy, Matplotlib, Seaborn, Power BI*

Machine Learning & AI: *Scikit-learn, TensorFlow, Keras, PyTorch, SVM, Regression, Decision Trees, Clustering*

NLP: *Transformers, HuggingFace, BERT, SpaCy, NLTK, LangChain, RAG, BeautifulSoup, Selenium*

Cloud & DevOps: *AWS (SageMaker, Bedrock), Azure, GCP, Docker, Git, CI/CD, GitHub Actions, FastAPI, REST API*

Data Engineering: *ETL/ELT pipelines, Apache Spark, PySpark, Hadoop, Databricks, Data Warehousing, DataVault, dbt*

Databases: *MySQL, Pinecone, Airtable*

Governance: *Data Quality, Security, GDPR*