JOHNSON PAKU

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GitHub | **Linkedin**

SUMMARY

A recent graduate in Bachelor of Software Engineering (AI) looking for full time role. **Strong coding skills** and interested in **ML/AI** and **data analytics**, Open to learn various technical roles such as **Cloud computing infrastructure** and pipelines with working knowledge of **SQL**, **REST** API

EDUCATION

Media Design School **Feb 2019 – Dec 2022**
Bachelor of Software engineering, AI

Manukau Institute of Technology **Feb 2010 – Dec 2011**
Entry Level Engineering

EXPERIENCE

Data Science/AI Intern **Jul 2022 – Nov 2022**
Datacom, Auckland

- Spatial analytics project to analyse people's foot traffic in office
- Built a WIFI probing device and Fisheye lens camera person detection with Raspberry PI to collect data
- Built Azure data pipeline - process, visualize on PowerBI
- Selected as project manager in team of 4 students

Research Assistant **Nov - 2022 - Feb 2023**
Media Design School, Auckland

- Investigating data augmentation as a method to train visual recognition for indigenous data.

SKILLS

Programming: SQL, Python(Scikit-learn, Tensorflow, Keras, Pandas), C++(UnrealEngine, OpenGL), C#(.Net, forms)
Visualization: Streamlit, Power BI, Seaborn, Plotly
Modelling: Linear Regression, Logistic Regression, KNN, Decision Trees, Random Forest, SVM, Naive Bayes, K-Means, PCA, NLP, CNN
Database: Azure, SSMS, MySQL

PROJECTS

Cluster Image Segmentation(Jupyter Notebook) **Mar 2022**

- UI interface with functional cloth tools eg. e.g. “push”, “pull”, “pin”
- Particle and constraint physics system

Cloth Game Simulation (UnrealEngine) **Jun 2022**

- UI interface with functional cloth tools eg. e.g. “push”, “pull”, “pin”
- Particle and constraint physics system

Anomaly Detection - Weather data (Jupyter notebook) **Jul 2022**

- Anomaly detection using DBScan
- Inference summary with data visualization

Libraries**:** sklearn, IsolationForest, DBSCAN, seaborn, pandas

INTERESTS

Te Reo Māori
Physical health

AFFILIATION

Member, The Peers Unlimited Club
Student Exemplar Project (2022), Media Design School
Datacomp2022 (Hackathon)
AI EnviroHack (Hackathon)