

# Lyam Talbot

## CONTACT

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Portfolio: <https://github.com/LyamTalbot>

## PROFESSIONAL EXPERIENCE

### Visual Sales | 2021–Present

JB Hi-Fi

- Instrumental in increasing install service attach to top 5 percent of the country
- Consistently high evaluation scores from both customers and management
- Training and on-boarding of new staff

### GNN Research Project | 2025–2025

University of New England

- Collaborative capstone project with fellow students – Client: Dr Amir Karton
- Co-developed GNN model with Keras 3 that predicts the equilibrium state of QM9 molecules
- Data extraction and feature engineering – Wrote scripts to pull data out of QM9 tensorflow data sets and to create scrambled QM9 molecules for training
- Development of an adjacency function that correctly infers bonds within a molecule; this resulted in ~20% improvement in model accuracy
- Was invited by the client to continue working on the model post-graduation with the intent of publishing a paper on the final version

## EDUCATION

### University of New England | 2023–2025

Bachelor of Computer Science – Software Development

- GPA: 6.75 (Deans List)

### University of New England | 2021–2022

Diploma in IT

- GPA: 6.75 (Deans List)

## SKILLS

### C Programming Language

- Multi-Process/Thread Applications
- GDB debugging

### Python

- Scikit-learn
- Pandas
- Keras / Tensorflow
- Matplotlib

### Parallel and distributed Computing

- OpenMPI
- CUDA

### Other

- Pub/Sub Architecture (primarily with Scala)
- PSQl and Relational Database Design
- Docker

## PROJECTS

- [Cane Toad Object Detector](#)
- [Scala Reversi and LinkedIn Queens](#)
- [RNN Based Solar Power Predictor](#)
- [Murder at York Close](#)