**Andie Lin**

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Education

Bachelor of Software Engineering Mar 2020 -Nov 2023

UNIVERSITY OF TECHNOLOGY SYDNEY

* WAM 81.89
* Appling java programming, java fx gui design and object-oriented coding
* Cybersecurity attacks and prevention methods
* Applied agile and scrum methodology in team projects.
* Basic understanding of Huffman’s compression algorithm
* Cryptography – hashing, encryption techniques and inner workings behind different encryption methods
* Understanding of advanced database structures and database languages such as SQL

Bachelor of Biomedical Physics Mar 2019 – Dec 2019

UNIVERSITY OF TECHNOLOGY SYDNEY

* Applied current theories and developed understanding of chemistry, physics, and human anatomy.
* Utilized scientific methods and statistical analysis.

Higher School Certificate Feb 2013 – Nov 2018

Sydney Technical High SchoolBexley, Sydney

Technical Skills

**Programming language:** Java, MatLAB,SQL, C++, C, Javascript/Typescript , Python

**Cloud:** AWS, GCP

**Frameworks:** ReactJS, NextJS, Django, FastAPI

**Machine Learning:** Sklearn, TensorFlow

**Systems:** Windows, Macintosh, Linux

**Project:** Restaurant Webapp built with NodeJS

Compression program built with C and Huffman coding.

Twitter Sentimental analysis webapp using NLP.

* Built a website using twitters api to build a sentimental analysis webapp based on twitter’s sentiment towards a subject.

Web-based portal for tracking real-time data for quantum fridges.

* A web-based application used to train temperature and pressure readings for quantum fridges using mongoDB to store readings with reactJS for the frontend to display the data and charts. With Django Python backend to connect and store data into the database.

AI differentiator between real chest x-ray imaging and AI generated chest x-ray imaging

* Built a classification model used to determine which machine learning algorithm from SVM, logistics regression and KNN is best in differentiating AI generated images. Trained using sklearn library.

Not hotdog

* Built a classification model based on TV Show Silicon Valley’s not hotdog app which could identify if an image was a hot dog or not built with FastAPI and Python for the backend with NextJS for the frontend. With the backend deployed on google cloud run and the frontend on vercel. Trained using tensorflow library.

**GitHub:** <https://github.com/AndLin-hub>

**Personal Website:** https://andielin.vercel.app/

**Intern**

Loan Options A.I Jun 5, 2023 -Aug 28, 2023

Software Engineer Intern

• Full stack development of web application built with NextJS, and FastAPI.

• Operate in a professional development environment communicating with other employees (brokers, UX/UI designer)

Casual Employment

**Customer Service** **Jun 2015 – Mar 2018**

Chicken Licken GoodsMiranda, Sydney

* Handled over 100 customer orders and inquiries in person on a daily basis.
* Initiated store closing procedures, including management of daily settlement.
* Assisted day sales operations, including reordering inventory and stock take.

**Customer Service Jun 2013 – Jun 2015**

Cignall Mortdale, Sydney

* Merchandised store displays to maintain visual appeal and optimized for promotions.
* Completed customer transactions and answered customer questions.
* Greeted every customer with friendly conversation, and offer of assistance to enhance customer experience, and buying opportunities.

**Customer Service** **Nov 2019 –Nov 2020**

BWS South Hurstville, Sydney

* Assist customers with questions or recommendations.
* Stocking Shelves and unloading pallets
* Ability to work alone and maintain day to day operations.

Hobbies

Participate in Capture the Flags events.

Exercising/Gym

Logical problem solving/ puzzles.

Qualifications

**Tafe Barista Course** 2017 **Higher School Certificate** 2018  
**Responsible Service of Alcohol** 2019

Referees

Available upon request