

Nguyen Thien An

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Linkedin | Github | Website

EDUCATION

Durham University – BSc Computer Science

September 2023 - July 2026

- **Grade:** Year 1 First-Class Honour (80%)
- **Scholarship:** International Scholarship Award (£5,000 per year tuition fee discount)
- **Achievement:** L1 Outstanding Achievement Award

Concord College – A-Level

September 2021 - June 2023

- **Grade:** Maths A*, Further Maths A*, Physics A*, A Economics (216 UCAS points)

EXPERIENCE

HearMe Company

Hanoi, Vietnam

AI engineer Intern

June 2024 – September 2024

- Worked as an AI engineer intern in data processing for RAG AI model application in CXM
- Developed robust data pipelines using Python to clean and process scraped data using BeautifulSoup API, improving the data accuracy by 10%
- Indexed the processed data to vector database and uploading to OpenSearch cloud service for RAG data retrieval process

Practera Internship

Durham, United Kingdom

Data Analyst

July 2024 – July 2024

- Worked as a Data Analyst in two week internship focusing on analyzing Hormonal Health Data
- Collaborated with a team of 5 to deliver a 50-page market report, identifying 3 growth opportunities
- Utilized SQL to analyze provided data on health factors and market trends

Maths and Computer Science Tutor

Durham, United Kingdom

Tutor

September 2023 – June 2024

- Mentored 4 students by creating personalized lesson plan elevating students' performance from A to A*
- Reviewed student's on a weekly basis and give detailed feedback

ACTIVITIES

Computer Science Society

Durham, United Kingdom

Event Officer

June 2024 – September 2025

- Facilitated workshops and events to foster a community of tech-enthusiasts
- Arranged three workshops on building portfolio website, game development with Scratch, software development with Git

Concord College Prefect

Shrewsbury, United Kingdom

Prefect

June 2022 – September 2023

- Worked with 4 students to raise £1500 donations for Oxfam Turkey-Syria Earthquake Appeal
- Represented the school to share insights to prospective parents and students in open-day events
- Monitored a class of 8 students in Prep time, utilized Excel to check attendance and give feedback to teacher

PROJECTS

Supervised Machine Learning Project

- Developed a machine learning classification model to detect counterfeit money, achieving 98% accuracy
- Applied train-test-split technique and utilized Tensorflow neural networks

Tic-Tac-Toe AI Engine

- Implemented an AI engine with Alpha-Beta Pruning to reduce the search speed by 40%
- Designed the AI to handle all the 19,000 possible states, ensuring optimal decision making

Sudoku Solver

- Developed a full-stack web-application solving Sudoku puzzles leveraging SAT Solver packages
- Implemented a back-end system that solved puzzle instances in less than within 1 second
- Practiced writing and documented API endpoints using Postman software for development purposes

SKILLS

Programming Languages: Python, C++, C#, HTML, CSS, JavaScript, SQL, Flask, Git, LATEX

Frameworks: React, Express, NodeJS, Flask, Numpy, Pandas, Scikit, TensorFlow, Matplotlib