

Nguyen Thien An

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Linkedin | Github

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 Customer Experience Management
- Developed robust data pipelines using Python to clean and preprocess scraped data from various websites
- Created a Python class to efficiently convert PDF and DOCX files into HTML format
- Implemented a secure file management system using Python's OS and hashlib libraries

Practera Internship

Durham, United Kingdom

Data Analyst

July 2024 – July 2024

- Worked as a Data Analyst in two week internship focusing on Hormonal Health Data
- Analyzed Data from various Hormonal Health websites to give recommendations to the client
- Collaborated with a team of 5 to produce a market report within 2 weeks

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*
- Collaborated with students to develop effective learning strategies
- Reviewed students' work on a weekly basis and give detailed feedback

Projects

Tic-Tac-Toe AI Engine

- Implemented an AI engine with Alpha-Beta Pruning to reduce the search speed by 40% compared to standard MinMax Algorithm.
- Designed the AI to handle all the 19,000 possible states, ensuring optimal decision making
- Tested across 50 games, achieving 100% win/draw rate

Sudoku Solver

- Developed a full-stack web-application solving Sudoku problem leveraging SAT Solver packages and propositional logic
- Implemented a back-end system that processed over 400 puzzles per hour
- Enhanced user experience with intuitive front-end, reducing the input time by 20%

Skills

Languges and Frameworks: Python, C++, C#, HTML, CSS, JavaScript, React, SQL, NodeJs, Express, React, Flask, Git, Pandas, Scikit, TensorFlow, Scikit, Matplotlib, LATEX