

Quang Thuan Nguyen (Vincent Nguyen)

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PROFILE SUMMARY

Motivated Computer Science student with strong programming skills in Python, Java, and C, alongside hands-on experience in data analysis, machine learning, and web development. Eager to contribute to a government role where I can apply my technical abilities, learn new skills, and adapt to a variety of tasks and challenges.

EDUCATION

The University of Charles Darwin | Darwin, Australia

July 2023 – Present

Bachelor of Computer Science

- **GPA:** 5.75/7.0 ([Transcript](#))
- **Notable Achievements:** [GovHack Spirit 2023 Winner](#)
- **Relevant coursework:** Foundation of Data Science, Algorithms and Complexity, Operating System, etc.

Ho Chi Minh University of Technology (HUTECH) | Ho Chi Minh City, Vietnam

Oct 2021 – June 2023

Bachelor of Information Technology

- **GPA:** 3.65/4.0 – **Major GPA:** 3.93/4.0
- **Notable Achievements:** Won [Talent Scholarship](#) (\$1000)– for the highest GPA in the Information Technology Faculty (2021-2022)
- **Relevant Coursework:** Database Management, Data Structures & Algorithms, Computer Architecture & Operating System, etc.

My Certificates:

- [Foundations: Data, Data Everywhere - Google Data Analysts](#)
- [Mathematics for Machine Learning \(Linear Algebra\) - Imperial College London](#)
- [Supervised Machine Learning: Regression and Classification - Stanford](#)

SKILLS

TECHNICAL SKILLS:

- **Programming & Framework:**
 - **Web/App Development:** HTML, CSS, JavaScript, React, React Native, Tailwind CSS
 - **Core Languages:** Python, C, Java
 - **Database:** SQL Server, MongoDB
- **Artificial Intelligence:**
 - **Algorithms:** Linear Regression, Logistic Regression, etc.
 - **Frameworks & Libraries:** TensorFlow, Scikit-learn, Pandas, NumPy
 - **Data Analysis Tools:** Tableau, Excel, Power BI, Jupyter Notebook
- **Others:** Github, Linux OS

LANGUAGES:

- **English** (IELTS band 7: [view](#)), **Vietnamese** (Native), **Spanish** (Novice), **French** (Novice)

WORK EXPERIENCE

Software Engineer Intern at Aubot (Remote)

Nov 2024 - Now 2025

- Helped develop 9,500+ coding exercises in Python and Java for kids from beginner to university level.
- Conducted user testing and bug verification on 4,000+ Python exercises.

- Collaborated with a team of 5-7 to design and develop a coding platform for 200+ kids across Australia to teach computer science from beginner to university level.
- Strengthened teamwork, communication, and problem-solving skills by attending meetings three times weekly to align with the team, meet deadlines, and overcome project challenges.

Software Developer Intern at True Blue IT Service (Onsite)

Dec 2024 - Feb 2025

- Designed and prototyped the UI/UX of a book-selling platform app using Figma, ensuring a modern and user-friendly interface.
- Engineered and implemented key features in React Native using Tailwind CSS, including secure user authentication, an interactive rating & review system, and a dynamic product catalog.
- Designed and optimized the backend architecture with Appwrite, ensuring efficient data management, seamless user interactions, and scalable storage solutions.
- Participated in multiple workshops, enhancing leadership, soft skills, and customer communication to foster better collaboration and client engagement.

Data Collector at IMG Arena (Freelance)

Dec 2023 - Now

- Collected and transmitted live sports data with 90% accuracy for nearly 90 matches, ensuring real-time updates for clients and platforms.
- Maintained an average response time of under 3 seconds for data input, contributing to seamless user experiences in live sports coverage.
- Collaborated remotely with a global team to deliver high-quality data services, achieving 100% deadline compliance during peak sports seasons.
- Demonstrated poise and professionalism in high-pressure situations, effectively maintaining data integrity and communication standards while there are conflicts between teams.

IT Teaching Assistant at Ho Chi Minh City University of Technology

August 2022 - May 2023

- Co-operated with lecturers to provide one-on-one support to students who needed extra help with specific subjects such as Calculus, Linear Algebra, etc., or assignments.
- Accomplished in supporting two classes (about 100 students) in their studies to pass their programming exams by delivering tutorials to them, and 100% of them passed.

PROJECTS

SOFTWARE DEVELOPMENT

• Water Network Analysis (Python) ([view](#))

Optimized water networks using DFS for cycle detection, Prim's Algorithm for MSTs, and BFS for source identification. Managed river names with a trie and applied Huffman coding for compression.

• Sorting Algorithms Visualizer (Python, Tkinter) ([view](#))

Interactive GUI for visualizing sorting algorithms (Bubble, Selection, Insertion, Merge, Quick, Heap Sort) with adjustable speed and threading for responsiveness.

DATA ANALYSIS AND MACHINE LEARNING

• Diagnose the Severity of Parkinson's Disease Using Voice Sample Data (Python) ([view](#))

Analyzed patient voice data using linear regression to predict disease severity (Motor UPDRS, Total UPDRS), aiding treatment recommendations.

• Revenue Calculation on Advertising Budget by Linear Regression Model (Jupyter Notebook) ([view](#))

Built a multiple linear regression model to forecast revenue based on ad spend across radio, TV, and newspapers for optimized budget allocation.

WEB DEVELOPMENT

- **Book-Selling Platform (React Native, Tailwind CSS, Appwrite, Figma) ([view](#))**

Developed a full-stack book-selling platform with user authentication, a product catalog, and a rating & review system. Designed an intuitive UI/UX in Figma and implemented a responsive frontend using React Native and Tailwind CSS. Integrated Appwrite for backend services, ensuring secure data management and seamless user interactions.

- **Portfolio Website (React, CSS, JavaScript, Node.js, MongoDB) ([view](#))**

Portfolio showcasing my software and data projects, built with technologies such as HTML, CSS, Node.js, React, and MongoDB. For additional projects, please visit my portfolio at [Portfolio](#).

VOLUNTEER

A very Darwin Christmas ([view](#))

- Control the flow of traffic to ensure the parade goes smoothly.
- Take photos and record videos of the music event.

References

1. Dante St James

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2. Rifat Mahmud

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