

## Curriculum Vitae (CV) Form

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Date of Completing this Form

Full Name: TRAN QUOC DANG

Citizenship: VIETNAM



# QUOC-DANG TRAN

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DOB: 04/12/2002

Gender: Male

Nationality: Vietnamese

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*"Dream big, work hard, stay focused, and surround yourself with good people."*

## EDUCATION

**International School - Vietnam National University**

**Hanoi, Vietnam**

*Bachelor of Informatics and Computer Engineering*

Oct 2020 - Aug 2024

*Graduation Classification: Good*

**Xa La High School - Ha Dong, Hanoi, Vietnam**

Aug 2017 - Sep 2020

*Graduation Classification: Excellent*

## THESIS PROJECT

**Financial Performance Analysis & AI-Based Stock Price Prediction**

Mar 2024 - Jun 2024

*Data Analyst*

*Grade: 8.7/10*

- Conducted comprehensive financial analysis of Sabeco, a leading beverage manufacturer in Vietnam.
- Developed predictive models using advanced machine learning techniques.
- Evaluated model performance using metrics.
- Provided insights into the financial health and stock price trends of Sabeco, highlighting the impact of state policies on its performance.

## WORK EXPERIENCE

**United Nations PRME Global Students**

Aug 2024 - present

*Ambassador Programme Taskforce Member*

- Promoted responsible management education internationally.
- Developed strategies for sustainable business curricula.
- Represented the PRME initiative in various global forums and discussions, advocating for educational reforms in line with the UN's Sustainable Development Goals.
- Worked on partnerships with academic institutions to promote the integration of PRME principles into educational programs.

## **Viettel IDC**

Mar 2023 - Sep 2023

### *Data Engineer | Internship*

- Utilized Python automation tools for data initialization
- Cleaned and filtered data for warehouse integration.

## **ISTECH - International School Club of Computer Science and Technology**

Nov 2020 - present

### *Data Science Operations Team Member*

- Analyze data and create predictive models for club projects
- Participate in Data Science hackathons hosted by Kaggle, Shopee, etc.
- Trained 15+ members in Data Science and Data Engineering concepts and tools.

## **ISTECH - International School Club of Computer Science and Technology**

Nov 2021 - Feb 2022

### *IoT Operations Team Lead*

- Train other members about IoT basic skills.
- Developed the backend to integrate with middleware.

## **IScholar International School Club of Student Scientific - Research**

Nov 2022 - Oct 2023

### *Head of Communication*

- Applied data cleaning skills to improve the organization's database, removing obsolete content and ensuring data accuracy.
- Led the communication branch, overseeing the creation and dissemination of promotional materials, social media content, and event announcements.

## **PROJECTS**

### **People Search Engine**

Jan 2024 - present

#### *Back-end Developer, Data Engineer*

- Developed a secure RESTful API with Django.
- Implemented user management, authentication, and search features in PostgreSQL.
- Utilized Swagger to streamline API documentation and testing, ensuring effective collaboration with the frontend team.
- Automated data scraping from various sources.

### **Audiobook Generator**

Jun 2024 - present

#### *Developer*

- Created an audiobook generator using Google Cloud Text-to-Speech.
- Implemented both a user interface (UI) using Flask and a command-line interface (CLI) for system interaction.
- Developed commands for generating audio from PDFs and HTML URLs, and for checking the status of generated audio operations.

## **RESEARCH**

### **Design an Automatic Attendance System based on Face Recognition**

Oct 2022 - Apr 2023

#### *Team Leader*

- Led the development of an automatic attendance system utilizing facial recognition technology to enhance the efficiency of attendance tracking in educational institutions.
- Implemented a facial recognition algorithm using Python and OpenCV, ensuring accurate real-time attendance recording.

- Conducted system testing and evaluation, improving accuracy and reducing manual workload for teachers.

## **Predictive Modeling for Student Performance in Education**

Oct 2023 - May 2024

### *Team Leader*

- Developed a predictive model to forecast student outcomes based on data mining techniques.
- Analyzed key factors such as parental education and test preparation to determine their impact on student performance.

## **EXTRACURRICULAR ACTIVITIES**

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### **Temasek Foundation SCALE 2024, Singapore**

Feb 2024 - Mar 2024

#### *Representative*

- Represented Vietnam National University - International School at the event, showcasing the school's commitment to regional integration and innovation.
- Participated in a student exchange program promoting leadership, community development, and cross-cultural skills within Southeast Asia.
- Collaborated with international peers on projects addressing regional challenges, fostering leadership and teamwork.

### **ASEAN University Network AELP 2023, Singapore**

Jun 2023

#### *Delegate/Representative*

- Represented Vietnam National University in a week-long program hosted by Nanyang Technological University and National University of Singapore.
- Engaged in experiential learning activities and cultural exchanges with ASEAN students, developing cross-cultural communication and collaboration skills.
- Awarded a \$300 scholarship for exemplary representation and participation in the program.

### **Overseas Immersion Programme (OIP)**

Mar 2023 & Sep 2023

#### *Representative*

- Co-organized a 2-week immersive program for students from Ngee Ann Polytechnic, Singapore, and International School - VNU, Hanoi.
- Facilitated student participation in cultural visits, academic workshops, industry tours, and social events, fostering cross-cultural understanding and collaboration.

## **CERTIFICATES**

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**Certifications & Training:** Agile Project Management - Issued by Agilearn Vietnam, Google Data Analytics Specialization - Issued by Coursera

## **SKILLS**

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**Languages:** Vietnamese (native), English (full professional proficiency - B2 CEFR), French (elementary proficiency), Russian (elementary proficiency)

**Technical Skills:** Python, Linux, Data Engineering, Data Analytics.

**Soft Skills:** Teamwork, Leadership, Communication, Problem-Solving.

## **AWARDS & HONORS**

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**Honors:** "Excellent Student" title (academic years 2020-2021), "Outstanding achievements in the Youth Union and Student Union activities" title (academic years 2021-2022 & 2022-2023).

**Awards:** Top 10 in Cybersecurity track - JunctionX Hackathon Vietnam 2023, Titled #638 per 24.479 entries - WiDS 2021 Datathon.

## **REFERENCES**

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**Name:** Manh-Hung Ha

**Position:** Lecturer at the Faculty of Applied Sciences at the International School, Head of Financial Technology & Digital Business Program; Group Leader of Cognitive Machine Intelligent, Vietnam National University, Hanoi; Visiting Professor at KL University, India

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