




Trong Hai Nguyen, B.Eng


✉ tronghaitoank25cbg@gmail.com ☎ (+84)976684528

🌐 <https://tronghaiit2.github.io/>

Employment History


- 2024 –  **Compax Digital**, Software Developer
- 2022 – 2024  **Viettel AI**, Software Engineer
- 2020 – 2022  **Teaching Assistant**, Embedded System + Introduction to Informatics, School of ICT, Hanoi University of Science and Technology.

Education

- 2018 – 2023  **B.Eng. Computer Engineering** at Hanoi University of Science and Technology.
CPA: 3.74/4.0 (overall 155 credits)
Graduate representative speaker at the 2023 Graduation Ceremony



Research Publications

Pattern





- 1  M. T. Tran, H. D. Nguyen, T. H. Nguyen, and M. Q. Nguyen, “Automated method for capturing and enhancing the quality of contactless fingerprint image,” *Intellectual Property Office of Viet Nam*, accepted, not public.

Experiences




Software engineering

- 2024  **Backend Developer**. Develop features for Billing system.
Process million requests each month with complicated logic to post data to ledger and print the invoice for customers.
- 2022  **Software Engineer**. Record timekeeping event (face detection on edge device) and send notification to users.





Mobile programming

- 2023  **Viettel eKYC**. Detect face and extract features then authorize user. (integrated with Viettel Money)
Achieved level 2 ISO/IEC 30107-3:2023 certification.
- 2022  **Timekeeping App**. Detect face and extract features then send vector to recognize user.
 **Timekeeping Management App**. User’s app to track timekeeping event and manage accounts.
 **Finger Scan App**. Detect finger, extract features and enhance image quality to authorize user.

Data analytics




- 2023  **Google Data Analytics**. Certified by Coursera.
- 2022  **SQL and Excel**. Get acquainted with sophisticated queries and experience with MS Excel.
 **Python**. Used to process data and view by python.

Skills

- Languages  Strong reading, writing and speaking competencies for Vietnamese;
Can study and work in English.
- Coding  Java, Kotlin, Flutter, Swift, Objective-C, C/C++, Python, SQL, XML/XSL, L^AT_EX, ...
- Databases  PostgreSQL, MySQL, MongoDB, SQLite.
- Misc.  Academic research, teaching, and training.

Miscellaneous

Awards and Achievements

- 2023  **THIRD PRIZE**, (Top 4) Viettel hearted AI challenges 2023.
- 2021  **IMPRESSIVE AWARD**, (Top 04 Call for Code) IBM Hackathon 2021.
- 2019 - 2022  **Scholarship**, The Excellence Scholarship of Hanoi University of Science and Technology.

Certification

- 2019 - 2021  **Certified by Hanoi City Youth Union.** Three times received the title “Student with five good merits” of Hanoi City.

Referred by

Minh Dung Dao