Nguyen Dinh Hoang Phuc

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EDUCATION

- **University of Science VNU-HCMC**   Ho Chi Minh city, Vietnam
  *B.Sc (**Honor Program**) in Information Technology; **9.23/10.0 (Ranked 2nd)***   *Sep. 2018 – Aug. 2022*

ACHIEVEMENTS & AWARDS

- **Second Prize – National Olympiad in Informatics (2018)**: National high-school programming competition organized by Vietnamese Ministry of Education and Training
- **Second Prize – ICPC Asia Regional (2020)**: Prestigious Asia-regional programming contest for university students organized by the ICPC Foundation
- **National "Student of Five Merits" (2020, 2021)**: National-level award for outstanding students organized by the Vietnam National Union of Students
- **Odon Vallet Scholarship (2017, 2018, 2020, 2021)**: Awarded by the Vallet Foundation (France) through Rencontres du Vietnam

EXPERIENCE

- **Anduin Transaction**   Ho Chi Minh city, Vietnam
  Full-stack Software Engineer   *Oct 2022 - Present*

  Anduin is a Fintech startup specializing in investment management solutions, with a highly **selective** engineering team (including **IOI** medalists and **PhDs**). I own the **end-to-end** planning, implementation, performance optimization and troubleshooting of multiple key projects.

  - **Contact Data Management**: Built a scalable and user-friendly contact **dashboard** to manage GPs' contact information and contact matrix, including workflows for massive data **import/export**, **synchronization** across Anduin's ecosystem, and public API integrations.
  - **Branded Investor Landing Page**: Designed and developed a platform for GPs to build fully **customizable** web pages to showcase their brand, funds, and LP-specific information, with support for **custom domains** and granular LP access **permissions**.
  - **Document Request**: Designed and developed seamless **workflows** for GPs to **request** documents from LPs, including submission, review, expiry notifications, and batch requests.
  - **Investor Access**: Owned the end-to-end development of an LP application to **manage** profiles, documents, and investments, with workflows for quick fund **subscriptions** and automatic data **synchronization**.

  Manager: Dr. Cuong Pham

- **SELAB**   Ho Chi Minh city, Vietnam
  Research Intern   *Jan 2020 - Feb 2021*

  SELAB is a research group led by Assoc. Prof. Minh-Triet Tran, focusing on AI, Software Engineering, and HCI for smart and secure interactive environments. I participated in research projects and contributed to scientific publications.

  - **SHREC 2020: Retrieval of digital surfaces with similar geometric reliefs** : Designed a two-step 3D surface-relief retrieval: convert each 3D model into 2D images and isolate the largest relief, then match using **Orientation Histogram** or **Deep Feature Ensemble**.
  - **iTASK – Intelligent Traffic Analysis Software Kit** : Created and labeled the dataset and trained **object-detection** and **classification** models to build the vehicle attribute sets for multi-camera vehicle re-identification.

  Advisor: Assoc. Prof. Minh-Triet Tran

SKILLS

- **Language**: Scala, Python, C++   **Technologies**: Kafka, Temporal, FoundationDB, ZIO, Scala.js

LANGUAGE

- **English**: Proficient (IELTS 7.5)   **Vietnamese**: Native