

## SUMMARY

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I am a person with a passion for Creativity and Innovation. I have knowledge about Computer Science, Data, AI. In addition, I also have basic knowledge about game and bioinformatics.

## EDUCATION

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- **Hanoi University of Science and Technology** Hanoi, Vietnam  
*Bachelor of Science in Computer Science* *Aug. 2017 – Aug. 2022*

## EXPERIENCE

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- **MindX** Hanoi, Vietnam  
*Teacher* *Dec 2019 - Present*
  - **Data for Everyone:** Teaching/mentoring fundamental knowledge of data and data science, basic concepts in data processing. Each class has 10-15 students, who are high school or college students. Tech stack: Python, SQL.
  - **GameMaker:** Teaching students the basics of games and how to use drag and drop tools (code sometimes) to program a game themselves. Tech stack: Game Maker Studio.
- **True Platform** Hanoi, Vietnam  
*Full Stack Software Engineer* *Oct 2022 - Dec 2022*
  - **Account:** Building frontend, backend from scratch for a simple account management web application. Key features contain CRUD, registration, login, logout, reset password (send mail). Tech stack: PHP, JS, HTML, CSS, MySQL.
  - **Wiki:** Building a web application for document management. Document types like books, categories, articles are stored as a hierarchical data structure. Tech stack: PHP, JS, HTML, CSS, MySQL, UIKit (UI components of the company).
  - **Launch:** Building a web application to manage the progress of products in a company and increase employee motivation. Each product has its own milestones and timelines. In this project, I participated in the entire product cycle with product owner role, from research and survey, building data models, UI/UX design, focusing on building dashboards to show useful data. Tech stack: PHP, JS, HTML, CSS, MySQL, True Framework (framework of the company).
  - **Others:**
    - Collaborating directly with Business Analysts and Designers to build products.
    - Standardize code with MVC model, conventions (coding, naming, comments...).
    - Presenting products in English to the BOD and the whole company.
    - Reporting weekly.
- **Trek Fund** Hanoi, Vietnam  
*Product Owner* *May 2022 - Oct 2022*
  - **Landing Page:** Building landing page for company through researching, collaborating with designer, tech team and stakeholders. Deploying product using AWS. (Link: <https://trek.fund/>)
  - **Trek City:** Building a web application that simulates a virtual city, where investors, founders and experts can communicate, exchange and connect.
  - **Others:**
    - Meeting with investors, advisors, stakeholders and developing product strategies.
    - In addition, I also introduce the company's products and events to the founders and CEOs of potential startups.
- **Vingroup Big Data Institute** Hanoi, Vietnam  
*Research Collaborator* *Jun 2020 - May 2022*

- **Bioinformatic team:**
  - Refactoring the code of the data pipeline, which is processed and experimented with various libraries and machine learning models.
  - Designing, building a database with complex data structures for guidelines related to each drug and gene.
  - Researching and implementing ensembleCNV - an ensemble machine learning algorithm to identify and genotype copy number variation using SNP array data for 1KVG (1000 Vietnamese Genomes Project) (link: <https://vingen.vinbigdata.org/en/1000-genome/>). Tech stack: Python, R.
  - Reporting weekly.
- **System team:**
  - Working with Vinmec hospital doctors and IU university representatives to build ADR (Adverse Drug Reaction) system. Tech stack: VueJS.
  - Developing QR-code feature for ADR project and setting up printer and instructing Vinmec hospital doctors to use.
  - Developing basic management functions for MASH Data Portal. (Link: <https://genome.vinbigdata.org/>). Tech stack: Golang.

## MSO Lab

Hanoi, Vietnam

*Research Assistant Intern*

*Sep 2020 - Jan 2021*

- **Mobile robot path planning:** Researching and implementing reinforcement learning algorithms to optimize mobile robot path planning problem.
- **Evolutionary Computation:** Researching and participating in seminars on evolutionary computing.

## PROJECTS

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- **Virtual Office:** Metaverse web2d application in the workplace interactive environment. Role: Leader with team of 4 members.
- **Launch:** Dashboard about milestones of many products. Role: Product Owner.
- **Trek Landing Page:** The next gen of IPO powered by web3 technology and metaverse platform. Role: Product Owner.
- **Recommendation System:** HORA - Mobile App and Data Science for hotel service. Role: Leader with team of 5 members.
- **Calendar Management:** Time Management System integrated Google Calendar. Role: Leader with team of 3 members.
- **Job Center:** Crawl, matching and explore data about jobs in Viet Nam. Role: Project Manager with team of 4 members.
- **Personal Page:** Some demos are available on github page. (Link: <https://greyhub.github.io/>)

## SKILLS

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- **Tech stack:** Python, PHP, C++, Golang, Javascript, HTML, CSS, SQL.
- **Technologies:** Linux, Visual Studio Code, DrawIO, Figma, PowerBI, DataGrip, MongoDB Compass.
- **Others:** Leadership, Teaching, Analysis, Design, Optimization, Communication, Teamwork, Management, Intuition, Creative, Critical Thinking.

## HONORS AND AWARDS

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- **Demo day batch 2 winner prize** Hanoi, Vietnam  
*Issued by Developer Circles Vietnam Innovation Challenge* 2020
  - **HORA:** Mobile App and Data Science
- **First prize** Hanoi, Vietnam  
*Issued by MindX Hackathon* 2019
  - **GunByMe:** Java 2D game.
- **Consolation prize** Thanh Hoa, Vietnam  
*Issued by IT competition for young students* 2015
  - **Algorithm:** Pascal / C++.