

# Tin Nguyen

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## EDUCATION

### International University (IU) - VNU HCMC

Sep 2021 — Present

*Bachelor's of Science, Computer Science and Mathematics*

*Thu Duc, Viet Nam*

- Relevant Coursework: Data Structures, Program Development, Microprocessors, Abstract Algebra I: Groups and Rings, Linear Algebra, Discrete Mathematics, Multivariable & Single Variable Calculus, Principles and Practice of Comp Sci

## PROJECTS

### Personal Developing Environment (PDE) ([github.com/tlmp59/tlmp59](https://github.com/tlmp59/tlmp59))

Dec 2024 — Present

- Implement the principle of a declarative UNIX operating system
- Create a general template for write declarative code for deployment and testing on Nix
- Utilize the power of version control packages from Nix package manager

### Terminal-based Personal Website ([tlmp59.github.io](https://tlmp59.github.io))

Aug 2025 — Present

- Terminal based personal website built using Hugo static site generator
- Styling with Tailwind CSS and custom functionality with basic Javascript

### Buckshot Roulette Textbased Game ([github.com/tlmp59/it013iu\\_dsa](https://github.com/tlmp59/it013iu_dsa))

Apr 2024 — Jul 2024

- A simple game that utilize data structures and algorithms principle
- Utilize environment string output as UI
- Design responsive Dealer according to User input choices
- Simple UI design that show health, tools, etc

### Chicken Invaders 2D Game ([github.com/tlmp59/it069iu\\_oop](https://github.com/tlmp59/it069iu_oop))

Jul 2023 — Jan 2024

- A reburished version of the original Chicken Invaders game that mainly for implementing core concept introduced in the OOP course
- Responsible for the main mechanics of the game
- UI designer and assets management with JavaFX framework
- Character design using Aesprite

### MBTI Personality Types Prediction

Nov 2024 — Nov 2024

- Conduct Exploratory Data Analysis technique to anayze and predict different MBTI personality types
- Explore various model choices and hyperparameter tuning for the best performance
- Evaluate each model with dedicated measurement and prevent biases through cross-validation technique
- Shipped model with optional local or docker deployment

### Simple Human Dectecing System ([github.com/Son-SDT/human-alert](https://github.com/Son-SDT/human-alert))

May 2025 — May 2025

- Code refractoring, debugging, and version management
- Apply clean code principle to make code eaiser to read
- Modularizing Python code into smaller custom packages accoding to their functionality
- Apply YOLO v5 model for predicting human in predefined polygon
- Optional sending alert to list of emails

## SUMMARY OF SKILLS

- **Spoken Languages:** Vietnamese (Native), English (C1)
- **Programming Languages:** Python, SQL, Nix, Lua, Java, Bash, HTML/CSS/JS
- **Version Control:** Git, GitHub, GitLab
- **Related Tools:** Neovim, Typst, PostgreSQL, Google Cloud Platform (GCP), Docker, NixOs, Nix package manager, Nix home-manager, Nix Devshell, Ansible, Terraform, Kubernetes, Airflow, CRUB, etc
- **Others:** Time management, Fast leaner, Sufficient in reading documents

## CERTIFICATES

IELTS Academic (band X), British Council

Sep 2025

Data Engineering DataTalks, DataTalks

Oct 2025

Backend Developer Path, BootDev ([boot.dev](https://boot.dev))

Oct 2025