

# Duc Tai Dinh

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## EDUCATION

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| <b>University of Science, VNU-HCM</b><br><i>Bachelor of Science, Artificial Intelligence</i><br>• Cumulative GPA: 8.78/10.0 (3 semesters)   Vu A Dinh Scholarship   Local Scholarship<br>• Relevant Coursework: Calculus, Linear Algebra, Discrete Math, Combinatorial Math, Statistics, Math for AI, Programming for AI, Data Structures and Algorithms, Computer Networking, Object-Oriented Programming, Databases | Thu Duc, HCMC<br>Aug 2023 — May 2027     |
| <b>Bao Loc High School for Gifted</b><br><i>High School Diploma, Mathematics Specialization</i><br>• Cumulative GPA: 9.0/10.0   Six-Semester Incentive Scholarship<br>• Award: First Prize in Mathematics - Provincial-level Excellent Students Contest Grade 12  | Bao Loc, Lam Dong<br>Aug 2020 — Jun 2023 |

## PROJECTS

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| <b>Back-end Developer</b> , Control Computer via Gmail ( <a href="https://github.com/ductai05/socket">github.com/ductai05/socket</a> )<br>• [C++] Controlling a cluster of server computers in a LAN from a client machine, utilizing cURL and Winsock, with communication between the client and the server network facilitated through Gmail using IMAP, SMTP, and Sockets. | Nov 2024 — Dec 2024 |
| <b>UX/UI Designer, Front-end Developer</b> , Maze Game ( <a href="https://github.com/ductai05/Y1S2-MazeGame">github.com/ductai05/Y1S2-MazeGame</a> )<br>• [Python] Maze Pathfinding Game, Implemented Using BFS for Maze Generation and A*, BFS, and DFS for Pathfinding.   | Apr 2024 — May 2024 |

## EXTRACURRICULAR ACTIVITIES

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| <b>Participated in the Final Round of the 5th AI Challenge Ho Chi Minh City 2024</b><br>• Theme: “Event retrieval from visual data”. Team WATLERE achieved top 30.<br>• Researching, selecting, fine-tuning suitable AI models. Designing and building a data pipeline to handle data preprocessing, transformation, and feature engineering. | Jul 2024 — Dec 2024 |
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## ACHIEVEMENTS & CERTIFICATIONS

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| <b>Mathematics for Machine Learning Specialization</b> , DeepLearning.AI  | Mar 2024 |
| <b>Machine Learning Specialization</b> , Stanford University & DeepLearning.AI  | Feb 2024 |
| <b>VSTEP level 4, English B2 CEFR</b> , Ho Chi Minh University of Social Sciences and Humanities (USSH)   | Sep 2023 |
| <b>First Prize in Mathematics</b><br>• Provincial-level Excellent Students Contest Grade 12, Lam Dong 2023<br>• Issued by Director of the Department of Education and Training of Lam Dong Province | Mar 2023 |
| <b>Academic Proficiency Test 2023 - VNUHCM</b><br>• Score: <b>1012/1200</b> , top 0.244%. Issued by Vietnam National University Ho Chi Minh City  | Mar 2023 |

## SKILLS

- **Programming Languages:** Python, C/C++, R, Matlab, SQL
- **Technologies:** Git, Github, FastAPI, Anaconda, CMake, Electron, Typst, LaTeX, NixOS
- **AI Libraries:** Numpy, Pandas, TensorFlow, PyTorch, Keras, scikit-learn
- **Languages:** Vietnamese (native), English (B2)