NGUYỄN ĐỨC THỊNH

About Me

Student at
Hong Bang International University
Computer Science Major

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LANGUAGES EFFICIENCY

- Vietnamese (1st language)
- English (advanced)
  - TOEFL iBT 95
  - TOEIC 950
- French (basic-intermediate)
- Japanese (basic)

EXPERTISE

- Backend Development
- AI Development
- DSA
- Problem Solving
- Self-researching

PROJECTS/EXPERIENCES

ChatDSA
A web app chatbot integrated with OpenAI API

- Role: Project Lead, Backend Developer
- Published paper: https://doi.org/10.59294/HIUJS.KHQG.2024.003
- Tech stack: ASP.NET, HTML, Bootstrap, Javascript, MySQL, RESTful API, OpenAI API, GitHub
- Designed backend infrastructure.
- Implemented chatbot dataflow and OpenAI API calls using C# base classes (HttpRequest/HttpResponse).
- Managed the project using GitHub

PatientRecord
A mobile app that helps tracking patients' medical records

- Role: Fullstack Developer
- Tech stack: Android, Java, Web Scraping, ASP.NET Core Web APIs, MySQL, RESTful API
- Scrapped the web for ICD and drugs info, then imported it to the database.
- Built backend API endpoints using ASP.NET Core Web APIs and MySQL.
- Designed and coded activities flow on Android using Java.
- Tracked the project using GitHub

PDF2Media (WIP)
An app that can transform a pdf which contains musical notations into a streamable media

- Role: Data Scientist, Fullstack Developer
- Tech stack: Jupyter Notebook, Tensorflow, Deep Learning, Computer Vision, Image Processing
- Segmented PDF files into musical staffs and notes using OpenCV library.
- Transformed PrIMuS dataset into singular notes and array-labels dataset.
- Built test models to recognize notes' pitch and duration values.
- Tracked the project using GitHub

EDUCATIONAL ACHIEVEMENTS

- 3rd Place at 32nd (2023) Vietnam Student Olympiad of IT
- GPA: 3.73
- Participated in 2022's:
  - ICPC Vietnam Southern Provincial Contest
  - ICPC Vietnam National Contest
- Co-Founder of HIU's Software Engineering Club and Computer Science Club (Feb 2023)
- President of HIU Computer Science Club (Feb 2023-Now)
- Academic Encouragement Scholarship (June 2023)

GENERAL KNOWLEDGE/EXPERIENCES

- Experienced with C# and C++.
- Experienced in self-researching and using advanced DSA for
- problem solving.
- Experienced in .NET Framework development (Winforms/ASP.NET Core/.NET Core WebAPI)
- Experienced with AI topics such as Deep Learning, Machine Learning. Along with AI devlopment workflow and frameworks like LangChain, Tensorflow, HuggingFace API, etc...
- Familiar with SQL-Server, MySQL, Relational Database and ORM (EF Core).
- Familiar with Front-end web development using HTML, CSS, Javascript/JQuery. On-hand experience with RWD using Bootstrap.
- Familiar with Unity Game Development.
- Familiar with Mobile Development using Android Studio (Java).