BAO NGO

Curriculum Vitae

✉ giabao070206@gmail.com

⌨ *GitHub*
in *LinkedIn*
🌐 *Portfolio*

Education

Aug 2021 – May 2024	**Science**, *VNU-HCM High School for the Gifted*, Ho Chi Minh City, Vietnam. CGPA: **9.5/10.0** (Top 2% of graduating class). Member of Expert Department, ChessNK Club. Member of PTNK STEAM Club.

Work Experience

Nov 2023 – present

Back-end Developer, *Zaiwen (Tsinghua University)*, Ho Chi Minh City, Vietnam (Remote).
- **Description:** Developing zaiwen.top - an education technology website that serves 100K+ users. The site allows full utilization of NLP capabilities through a variety of powerful API interfaces.
- **Responsibilities:**
  - Design and set up the CI/CD pipelines and integration.
  - Implement Poe API Wrapper and scale GraphQL queries.
  - Refactor and write unit test for the codebase to ensure code quality.
  - Improve the platform via swift issue resolution and reviewing documentation.

May 2023 – present

Full Stack Developer, *Nhà Anh Ngữ*, Ho Chi Minh City, Vietnam (Remote).
- **Description:** Developing Nhà Anh Ngữ and its Learning Management System (LMS) - a web app for students to access course materials, interact with instructors, and track learning progress.
- **Responsibilities:**
  - Communicate with customers and analyze their demands.
  - Increase user engagement by 15% by designing client-tailored and user-centric UI/UX.
  - Reduce loading times by 30% by implementing optimized back-end services.
  - Deploy and maintain the web service, ensuring smooth operation for over 130 students.

Honors & Awards

Aug 2023	**4th Place, The 29th National Young Informatics Contest.**
Jul 2023	**1st Place, The 29th Regional Young Informatics Contest**.
Oct 2022	**Champion, The 2022 Youth Makers,** a Robotics competition sponsored by NTU Singapore, TRANSINEX Pte.Ltd, and GaraSTEM.
Sep 2022	**Top 40, National Robotics Tournament 2022**, with VEX IQ by STEAM for Vietnam.
Feb 2022	**2nd Place, "Unlock Your Potential",** a math competition hosted by Math Wars Project with the participation of over 100 candidates.

Technical Skills

Programming & Markup Languages	Python, C, JavaScript/TypeScript, HTML, CSS/SCSS, Markdown, PowerShell
Frameworks & Libraries	Bootstrap, Django, Flask, GitHub Actions, Gunicorn, NumPy, OpenCV, Pandas, scikit-learn, TensorFlow
Databases & Cloud Hosting	Firebase, GitHub Pages, Heroku, MySQL, PostgreSQL, PythonAnywhere, Repl.it, SQLite, Vercel
Software & Tools	Codepen, Git, Sheets, Jira, Jupyter, Slack, Trello, Visual Studio Code

Personal Projects

Aug 2023 – present

Poe API Wrapper

- **Description:** A reverse-engineered Python API wrapper for Poe.com.
- **Technologies:** Httpx, Websockets, GraphQL.
- **Highlights:**
  - Developed and maintained a Python library with over 4,000 monthly downloads, providing ease of access to ChatGPT, Claude, Llama2, Google-PaLM2 and much more.
  - Published package on PyPi allowing simple installation, benefiting numerous NLP projects.
  - Supported the community via issue resolution and documentation, enabling hundreds of fellow developers to utilize the API.
  - View project

Oct 2022 – Apr 2023

coDestress – AI Mental Health Assistant

- **Description:** A web application for personalized mental health support and music therapy.
- **Technologies:** AJAX, jQuery, Websockets, Django Channels, OpenCV, PostgreSQL, Spotify Web API, Spotify iFrame API, Youtube Music API, ResponsiveVoice Text-to-speech API.
- **Highlights:**
  - Leveraged AI algorithms to analyze stress levels and provide real-time insights.
  - Acquired knowledge of DevOps practices, coding conventions, and design patterns.
  - View project

Jun 2022 – Aug 2022

High School Management System

- **Description:** A responsive web app for my High School with minimalistic design.
- **Technologies:** AJAX, jQuery, Bootstrap, Django REST Framework, SQLite.
- **Highlights:**
  - Implemented modules for Result Management, Student Management, Blog with a flexible commenting system, Document Library, and Authentication.
  - View project

Summer 2021

A Tale Of Nightmare

- **Description:** An indie game featuring bullet-hell gameplay with captivating soundtracks.
- **Technologies:** HTML, CSS, JavaScript.
- **Highlights:**
  - Created during a Summer BootCamp, inspired by "Touhou Project" and "No Humanity".
  - Proficient in front-end technologies: HTML, CSS, JavaScript.
  - View project

Certifications

Python Developer (Django)

Issued Sep 2022, Issuing authority
HCMC University of Science, Information Center
See credential

STEM: Education and Emerging Career Opportunities

Issued May 2023, Issuing authority
Samsung, Solve for Tomorrow 2023
See credential

Pastimes & Activities

- I enjoy expanding my knowledge through books, tech blogs, and online communities like Medium and Quora in my free time.
- Customizing my VSCode, Nvim, Termux config and workflows to optimize productivity.
- Chess has been a passion for years - I play rapid matches and solve puzzles weekly on Lichess at 1900 rating.
- Weekly basketball with friends balances work while keeping me active.