

Luu Gia Bao

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EDUCATION

DENISON UNIVERSITY

Granville, OH

Major: Computer Science; **Minor:** Mathematics and Economics

Expected Graduation: May 2026

Major GPA: 3.64/4.0 (Spring 2023 Dean's List)

Relevant Coursework: Data Systems, Multivariable Calculus, Intermediate Computer Science (C++, OOP), Mathematical Foundations of Computer Science, Introduction to Proofs.

EXPERIENCE

FPT SOFTWARE

Hanoi, VN

Software Engineer Intern

May 2023 – Present

- Contributed to developing client-side features of the team's mailing software as a service (SaaS) product for European customers.
- Implemented a Google Sign-in feature based on OpenID Connect protocols provided by Google Identity Service, resulting in 60% of new users' sign-ups were accomplished through Google Sign-in.
- Implemented a responsive text-to-PDF conversion using jsPDF for users to customize their mails, including the front face and inside contents, and save them as PDF for transactions.
- Actively implemented Git workflows to streamline code management, enhancing team productivity and successful project delivery.
- Ran unit tests on the app's front-end components with Vitest's mocking.
- Learned and worked in an Agile Scrum environment, collaborating with the Scrum team via Jira.

DEVELOPH VIETNAM

Hanoi, VN

Full Stack Development Trainee - Mentor

May 2021 – January 2022

- Practiced full-stack web development with the MERN Stack under the guidance of two mentors from Amazon
- Helped a group of 5 students with their programming exercise and guide them through their final web development project.
- Conducted weekly mentoring sessions on programming fundamentals using JavaScript, React.js, and Node.js. Provided hands-on coding practice, feedback on assignments, and addressed student questions.
- Contributed to the organization's software products' backend with NodeJS, including interactions with the MongoDB database

PROJECTS

FITNESS+ WEB APPLICATION | ReactJS, MaterialUI, Axios, RapidAPI | [URL](#)

- Built a web application that recommends physical exercises to users according to their preferred muscle groups
- Used Fetch with async/await functions to fetch exercises' videos/images from RapidAPI's Youtube search API endpoint and [online exercise database](#).

RUSSO-UKRAINE WAR LOSSES ANALYSIS | Python, Pandas, JSON, Xpath, Plotly, SQL, LXML, CSV | [Slideshow](#)

- Collaborated with two teammates in the class CS181 (Data Systems) and received an A for this final project.
- Used Python, LXML, and XPath for web scraping tabular data from the Wikipedia web page.
- Cleaned data and constructed tables and graphs using Python Pandas.
- Stored all the processed data into one SQL database for final visualizations with tables and graphs

LINKED LIST ADT IMPLEMENTATION | OOP, Pointers, Operator/Function Overloading, Exception Handling | [Source](#)

- Implemented a template List class in C++ using a linked list structure for the class Intermediate Computer Science's Project 08, focusing on the usage of pointers and deep copy methods
- Successfully managed dynamic memory and implemented complex methods that require operator overloading
- Practiced software testing procedures with debugging tools (GDB) and Ad hoc Testing.

SKILLS

Technical Skills: Python, Javascript, C++, HTML/CSS, Unix/Linux, SQL, LaTeX

Technologies: React.js, Axios, Material-UI, Node.js, ExpressJS, MongoDB, Firebase, PostgreSQL, SQLite, Python Pandas, Vite, Git

Tools: VSCode, Xcode, DataGrip, Jupyter Notebook, Valentina Studio, GitLab, Jira, Asana, Confluence