Huy Le

Edmonton, AB | huyyyylegia@gmail.com | (825) 419-8287 | github.com/giahuyyle | linkedin.com/in/huylegia

Education

University of Alberta	Expected Graduation: May 2027
Bachelor of Science in Computer Science and Mathematics	GPA: 3.64/4.0

- **Awards:** Dean's Honor Roll (2024), Third Prize in Chemistry Olympiad - City Level (2022)
- **Relevant Coursework:** Data Structures and Algorithms, File and Database Management, Computer Architecture and Organization, Object-Oriented Programming, Discrete Mathematics, Linear Algebra, Calculus

Work Experience

Software Engineer Intern	May 2024 – September 2024
DBIZ – Digital Business	Hanoi, VN

- Optimized **data-handling algorithms** to process daily data streams via **RabbitMQ**, reducing processing time by **15%** and minimizing errors using **Python**
- Implemented **RESTful APIs** and **real-time data pipeline** for user preference tracking, increasing personalized promotions accuracy and improving user engagement
- Leveraged **Docker** to ensure consistent environments across development and testing, enhancing deployment efficiency

Web Developer	January 2023 – March 2023
Society of Open Science	Hanoi, VN

- Developed an event update feature for the organization's website, using **HTML** and **CSS** with datasets of **50 events** to provide real-time updates and enhance user experience
- Built a meeting scheduler for organization's members by enabling members to save time intervals with accounts stored in a **MySQL database** and implementing greedy algorithms to search for best-fit overlaps
- Collaborated with **3 developers** to design UI/UX prototype of organizational web application using **Figma**

Projects & Leadership

Spotly	React, Node.js, PostgreSQL, CSS	January 2025 - Present

- Led a team of **2 engineers** to design user interfaces for parking slot reservation system using **Figma**
- Enabled fast access to parking reservation process by developing QR Code Generator and Scanner
- Integrated **Google Maps APIs,** allowing customers to view real-time locations, register parking spots, and search for spots by entering an address

Football Maniacs	Python, Flask, HTML, CSS, PostgreSQL, MongoDB	November 2024 – Present

- Built a full-stack e-commerce website for football merchandise, enabling product sales and streamlining transactions
- Achieved a **26%** faster data retrieval rate by storing user, item, and order data in SQL (PostgreSQL) and NoSQL (MongoDB)
- Implemented **RESTful APIs** to adjust item prices in real-time, ensuring alignment with live market trends

Personal Dictionary	Java, JavaFX, Google Translation AI API	October 2023 – November 2023

- Built a personal dictionary application, fetching **Google Translation AI API** and enabling flawless translations between pairs of over **100 languages**
- Developed word pronunciation, favorite word storage, search history view and CRUD operations features, using **Java and JavaFX**
- Integrated **Google Translation AI,** developing a voice recognition feature for the English language

Skills

Programming Languages: Python, Java, C/C#, C++, HTML/CSS, Javascript, SQL, Assembly
Frameworks & Libraries: React, NodeJS, *PyTorch*, Flask, SQLAlchemy, Scikit
Tools: Git, Jupyter Notebook, Git, Docker, RabbitMQ, MongoDB, Figma, AWS, GCP, JavaFX