Vi Phung

kinhvi0710@gmail.com | (514) 699-7102 | github.com/kvpl7102 | linkedin.com/in/viphung | Montréal, QC

Education

Université de Montréal   **Montréal, Québec, Canada**
Bachelor of Science, Bachelor's degree in Informatics   **Jan 2021 – Aug 2025**
- International Student Tuition Fee Exemption Scholarship, A-level.
- Courseworks: Object-oriented design, Operating systems, Algorithms, Data structures, Computer Networks (TCP/IP), Machine Learning, Software Engineering

Experiences

Maison MONA | *Server Developer*   **Jan 2025 – Apr 2025**
- Built comprehensive OpenAPI documentation for 50+ existing Laravel API endpoints, implementing automated PHPDoc generation to streamline developer onboarding and API maintenance.
- Developed missing CRUD operations in existing API routes, completing API functionality and ensuring full REST compliance across all application endpoints.
- Maintained linear Git workflow with clean commit history through collaborative version control practices in cross-functional team environment.

WARP | *Back-end Developer, Intern*   **May 2024 – Aug 2024**
- Developed RESTful APIs integrating Google Maps services for accurate postal code detection from GPS coordinates, achieving 20% error reduction.
- Automated geospatial data extraction and analysis using Python libraries (Pandas, GeoPy) with MongoDB aggregation pipelines, accelerating processing workflows by 30%.
- Implemented automated testing protocols to ensure backend functionality robustness.

Lucid Axon | *Research Assistant*   **Sep 2023 - Apr 2024**
- Automated web scraping pipelines using Python (BeautifulSoup) to extract ESG-related data from 500+ corporate websites, reducing manual data collection time by 80%.
- Optimized ETL workflows with Python automation to transform raw corporate data into standardized datasets, enabling seamless integration across multiple data sources.
- Developed machine learning models using scikit-learn and pandas to predict ESG scores with 85% accuracy, accelerating traditional assessment timelines from weeks to hours.

Projects

Terminal-based portfolio website | *Typescript, React, HTML*

My terminal-based portfolio built with React, Typescript and Styled Components

ConceptNet Knowledge Graph Explorer | *JavaScript, MySQL, AJAX, REST API*

Developed a single-page web application for exploring ConceptNet knowledge graphs with interactive games, featuring real-time AJAX queries, MySQL database integration, and RESTful API endpoints for concept and relationship management.

NLP Document Search Engine with Bigram Prediction | *Java, NLP, TFIDF, OOP*

Built a natural language processing system implementing custom hash map data structures for word indexing and document retrieval, featuring bigram-based auto-completion and TFIDF-scored document ranking for intelligent search functionality.

Skills

Languages: Java, Python, JavaScript, TypeScript, HTML, CSS, SQL, Bash Scripting
Technologies & Tools: Microsoft Office (Word, Excel), Power BI, Git, Node.js, Vue.js, MySQL, API testing, Postman, Agile
Frameworks: React, Redux, Django, Laravel