

Vy-Kha Huynh

vykha.huynh@outlook.com • (514) 386-4733 • Longueuil, Canada • <https://vy-khahuynh.github.io/>

EDUCATION

McGill University

Montreal, QC, Canada

September 2020 - December 2024

- Bachelor of Engineering – B.Eng., Software Engineering

LANGUAGES AND SKILLS

Languages: Java, Python, SQL (PostgreSQL, IBM Db2), JavaScript, C, HTML/CSS, Swift, Bash

Framework/Libraries: React.js, Vue.js, Spring Boot, SwiftUI, NumPy, pandas, Matplotlib

Version Control/Tools: Git, GitHub, GitLab, VS Code, IntelliJ, Eclipse

WORK EXPERIENCE

IOS Full-Stack Developer Intern

May 2023 – September 2023

CPK Solutions

(Remote)

- Developed and integrated modular SwiftUI views for displaying, searching, and filtering products, employees, and customers, ensuring a reliable, reusable, and structured approach to presenting data, enhancing the user experience.
- Spearheaded the development of a product prototype using Swift and SwiftUI to showcase product features, engage with customers, and attract new clients.
- Interpreted and converted the user requirements into features, integrating them into the fully working frontend prototype using a mock backend to simulate realistic data interactions and user scenarios.

PROJECTS

Soccer World Cup Database (Java, db2, JDBC)

January 2023 – May 2023

Data Engineer

- Designed and implemented the architecture and schema for the soccer database, ensuring data integrity and scalability.
- Automated table creation and population using Bash scripts, reducing manual errors, and saving time for future database updates.
- Optimized the database performance by fine-tuning queries, resulting in faster response time and improved query performance.

PourDecisions (JavaScript, React.js, HTML, CSS, MongoDB, Figma)

January 2022 – May 2022

Full-Stack Developer

- Created an online drink sharing platform allowing users to share, save, and randomize drink recipes following MVC architecture in a 10-member team enforcing Agile practices.
- Designed and implemented frontend pages for account management features, ensuring an effortless and seamless usage for improved user experience.
- Developed REST APIs and backend methods using OOP principles for efficiently managing user accounts, providing secure, structured, and reliable backend functionality.

Full-Stack Library Website (Java, JavaScript, Android Studio, Vue.js, HTML, CSS, PostgreSQL)

Full-Stack Developer & Testing Lead

September 2021 – December 2021

- Built a library website allowing users to browse catalogs, rented items and manage staff following MVC architecture in a 6-member team enforcing Agile practices.
- Engineered REST APIs and backend methods using OOP principles for creating, deleting, and modifying employee profiles and library info, streamlining staff and library management for head librarians.
- Led testing efforts, overseeing, and managing a team of 3 testers to ensure the design, writing and execution of dependable and high-quality test cases for persistence layer testing, unit tests, and integration tests achieving 92% code coverage.