Vy-Kha Huynh

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EDUCATION

McGill University   **September 2020 – December 2024**
Montreal, QC, Canada
- Bachelor of Engineering – B.Eng., Software Engineering

WORK EXPERIENCE

Build & Release Intern   **January 2024 – August 2024**
Audiokinetic   *Montreal, QC, Canada*
- Streamlined the translation and documentation workflows, improving efficiency and accuracy, while reducing manual effort by automating parts of the processes with Python and Batch scripts.
- Improved efficiency and reliability in development workflows, increasing visibility, support, and automation through the revamping and optimization of Jenkinsfiles.
- Maximized reliability and reduced risks in pipeline libraries and scripts usage by designing and executing comprehensive tests through rigorous test cases using unittest and JUnit modules.
- Rationalized code complete day script automation by creating a dedicated pipeline through the generalization of the release day pipeline, making it more flexible and reusable.
- Enhanced build script performance, supportability, and reliability by creating a maintainable and testable environment through the modernization and conversion of legacy Perl scripts to Python.

PROJECTS

Soccer World Cup Database | Java, db2, JDBC
- Ensured data integrity and scalability by designing and implementing the architecture and schema for the soccer database.
- Maximized efficiency and accuracy in database updates by automating table creation and population with Bash scripts.
- Improved query performance and response time through query fine-tuning and optimization.

PourDecisions Website | React, JavaScript, HTML, CSS, MongoDB, Figma
- Built an online drink sharing platform allowing users to share, save, and randomize drink recipes as part of a 10-member team.
- Enabled seamless and intuitive user interactions resulting in a more efficient experience through the construction of user-friendly, streamlined frontend pages for account management features.
- Ensured secure and reliable backend functionality by efficiently managing user accounts and implementing scalable REST APIs for structured data handling.

Library Website | Vue, JavaScript, HTML, CSS, Java, PostgreSQL, Android Studio
- Created a library website allowing users to browse catalogs, manage rented items and manage staff as part of a 6-member team.
- Simplified staff management operations by developing REST APIs that automated employee profile updates and optimized the handling of library data.
- Guaranteed robust software quality by overseeing a team of 3 testers through the design and execution of comprehensive test cases for the persistence layer, unit, and integration tests.

TECHNICAL SKILLS

Languages: Java, Python, Groovy, SQL, JavaScript, HTML, CSS, Swift
Frameworks and Libraries: React.js, Vue.js, SwiftUI, Spring Boot
Technologies and Tools: Git, Gerrit, GitHub, Jenkins, Jira, VS Code, IntelliJ, Eclipse
Testing: JUnit, unittest