**NGOC TAM NGUYEN (JOHN)**

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hinntam.vercel.app – Calgary, AB

**PROFESSIONAL PROFILE**

* I am currently a student in the Software Development program at SAIT and looking for a Software Development Intern position.
* Experienced with using the framework React, and React Native CLI to design web and mobile applications in team 5 members.
* Experienced with analyzing and developing projects about mobile academic about mobile applications on Visual Studio Code and Android Studio in team 4 members and managed sources by GitHub.
* Strong understanding and experience of the Google Cloud, JSON, and web-based API for personal project and academic projects.
* We have developed effective communication, organizational, and problem-solving skills to achieve company goals and optimize operations.

**TECHNICAL SKILL**

* Used efficient programming languages as: Java, C#, Python, ASP.NET.
* Framework for developing mobile applications as React Native CLI or Expo.
* Framework developed with React and Next.js, styles using TailwindCSS.
* Backend using Express with SQLlite database, MongoDB, Oracle, SQLServer.
* Utilized nodemon, environment variables both React and React Native.

**PROJECT**

**SAIT Capstone Course Project** **–** **Master Parking Application August 2024 – December 2024**

Southern Alberta Institute of Technology (SAIT) | Calgary, AB

**Position: Developer**

* Responsibility for implementing 100% features for page navigation.
* Collaborated with a team of 5 members to design the UI for navigation and implement it.
* Enhanced application functionality by incorporating team feedback, resulting in a 95% reduction in reported user issues.
* Cooperated and Designed and implemented 80% user interface (UI) features based on detailed requirements and Figma prototype designs.
* Developed navigation features using Google API, optimizing efficiency with a single main API key.
* Conducted comprehensive testing, ensuring system correctness and maintaining quality throughout development cycles.

**SAIT Capstone Course Project** **–** **Sprout Mobile Application August 2024 – December 2024**

Southern Alberta Institute of Technology (SAIT) | Calgary, AB

**Position: Developer Lead**

* Lead the app development team including 3 members.
* Responsible for designing 100% the database schema on MongoDB.
* Architected a robust system for efficient data storage, ensuring scalability and maintainability.
* Built and integrated a RESTful API using Express.js in Node.js for Sprout's application, improving server-client communication.
* Implemented features as requirements in Figma prototype design.
* Created RESTful API used for Sprout's application by ExpressJS in Node.js
* Integrated OpenAPI weather to enable temperature-based plant care suggestions, enhancing user.
* Performed API testing and validation using Postman to manage MongoDB database interactions effectively.

**SAIT Capstone Course Project** **–** **React Solution January 2024 – April 2024**

Southern Alberta Institute of Technology (SAIT) | Calgary, AB

**Position: Developer**

* Led a multi-disciplinary team of 5 in creating a driving class 7 mobile application on Visual Studio by React Native and database MongoDB, back-end NodeJS.
* Created responsive, cross-device layouts to ensure seamless functionality on various screen sizes.
* Designed practice questions and sample exams, enabling users to prepare effectively for targeted assessments.
* Used RESTful API to communicate between front-end and back-end
* It was tested with 5 team members about the component's functions to commit to sustainable development and high-quality code
* Link: https://play.google.com/store/apps/details?id=com.codewithnguyen.todoalbertadriving

**RELATED EXPERIENCE**

**Software Development Diploma January – April 2024**

Southern Alberta Institute of Technology (SAIT) | Calgary, AB

**Role: Developer**

* Web development by using React, NodeJS, and mobile development in React Native.
* Familiar with database programming relationships (Oracle) and non-relationships (MongoDB).
* Object programming language including structure and algorithms.
* User interface & user experience design.
* Good communication both verbally and speaking.

**SAIT Capstone Course Project -** **Python Solution January 2024 – April 2024**

Southern Alberta Institute of Technology (SAIT) | Calgary, AB

**Role: Developer**

* Collaborated with team of 4 members to analyze and create a Book class on Visual Studio using Python to perform functionalities based on requirements and management sources by Git.
* Created a separate branch in GitHub for each group member to manage changes before merging the branch
* Managed time effectively while working independently by following scheduled group meetings and responding to messages on Teams
* Deployed unit tests for class methods to ensure compliance with requirements

**VOLUNTEER EXPERIENCE**

**Volunteer April 2024 – Present**

Calgary Food Bank, Calgary, AB

* Attended oriented for a special event.
* Committed true time and safe work in a warehouse.
* Assisted in special events including Purolator Tackle Hunger and Quarry Park co-op stampede breakfast.
* Collaborated with the team in the warehouse to divide separate food.

**LANGUAGES**

* Fluent in English and Vietnam.

**REFERENCES**

* Haythem Shakarchi - Founder, Connect Abode (587) 894-1783 haythems@gmail.com