

## **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 SQLite database, MongoDB, Oracle, SQLServer, MYSQL.
- 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