

Andrew Pham

andrewbapham@outlook.com | [linkedin/andrewbapham](https://www.linkedin.com/in/andrewbapham) | [github/andrewbapham](https://github.com/andrewbapham) | andrewbapham.github.io

EDUCATION

UNIVERSITY OF OTTAWA

Ottawa, ON | Sept 2021 - Dec 2025

HONOURS BSC. IN COMPUTER SCIENCE (CO-OP)

- Coursework: Data Structures & Algorithms; Methods of Machine Learning; Data Science Lab; Design & Analysis of Algorithms; Databases I; Programming Paradigms & Language Concepts; Intro to Software Engineering
- Dean's Honour List for Fall 2021/2022, Winter 2022/2023
- Maintaining a 9.59 CGPA (3.91 GPA)
- Admitted with a 95% average

WORK EXPERIENCE

RECOLLECTIVE INC. | SOFTWARE DEVELOPER, CO-OP

Ottawa, ON | May 2023 – Sept 2023

- Captured and logged **LangChain** chain steps and in a **FastAPI Python** microservice and forwarded the results to **AWS OpenSearch**
- Created a new internal tool for testing LLM Prompts in **Vue.js** with API endpoints in **Java/Spring** to make calls to a microservice
- Developed new back-end site limit features and API endpoints with **Java/Spring** to support a new license type
- Shadowed DevOps team and learned about their **AWS** configuration and practices

RECOLLECTIVE INC. | SOFTWARE DEVELOPER, CO-OP

Ottawa, ON | May 2022 – Sept 2022

- Implemented new front-end features using **JSP, Vue.js, JavaScript**, and **HTML/CSS**
- Reported, analyzed, and patched various software defects
- Developed new back-end features and API endpoints using **Java, Spring** and **MySQL**
- Collaborated with CPO, CTO and engineering team in an agile scrum framework
- Completed various QA tasks including creation of test cases and end-to-end testing
- Tracked and managed work using **JIRA** and **GitHub**

PROJECTS

E-HOTELS

REACT, NODE.JS, EXPRESS, MYSQL

Full-stack web app that allows customers to search and book hotel rooms, and employees to create and manage hotel chains. Built as a course project for Databases I.

MEALERZ

ANDROID, JAVA, JUNIT

Android application that connects Clients to Chefs, allowing them to purchase and request meals.

SKILLS

Languages: Java, Python, SQL, JavaScript/TypeScript, HTML/CSS, R

Web Development: Vue.js, React, Node.js, Express, Spring, FastAPI

Databases: MySQL, PostgreSQL, Firebase, Supabase

Technology: AWS, Git, GitHub, JIRA, JUnit, LangChain, Jupyter

Operating Systems: Ubuntu, Windows, macOS

Other: Communication, Teamwork, Bilingual

INTERESTS

Volleyball, Health and Fitness, Piano, Personal Finance