

LANGUAGES

JavaScript

HTML / CSS

C / C++

Python

Java

C# / .NET

TOOLS

Angular

Django

Flask

Bash

SQL

Azure

React

Git

SKILLS

Object-oriented
design

Data Structures

Algorithms

Application
development

Databases

EXPERIENCE

Macadamian Technologies // Student Software Developer

Ottawa, ON. Sep 2019 - Present

- Utilized **Node.js** to ship numerous key features and modules for the internal backend platform
- Incorporated **lazy loading** into an existing project, which greatly **improved** overall user experience and reduced application loading time by 10%
- Developed and shipped a **full-featured web application** for a client in under 2 months, which helped bring in multiple customers from client recommendations

Macadamian Technologies // Student Software Developer

Ottawa, ON. May – Aug 2019

- Updated internal server **API** email sending functionality to support **DKIM** email authentication, HTML content, embedded image attachments and different transport methods besides **SMTP**
- Used **ionic** to architect and ship a cross-platform **mobile application** that helps users manage their medications and promotes patient adherence
- Integrated **Agile** methodologies using **Git** and **Gerrit** software providing thoroughout documentation and code reusability

EDUCATION

Carleton University

Bachelor of Computer Science | Concentration in **Algorithms** | Minor in **Psychology**

Dean's list | CGPA 10.23/12 (A-) | Expected graduation 2021

PROJECTS

Prosper

- Helped build an app that simplifies the process of saving by providing users with fast and digestable information on the topic and gamifies the complicated process of investing
- Integrated Google's **Firebase Firestore** in the application to keep persistant storage of mock transaction finanacial data and articles
- Learned Google's mobile development UI kit, Flutter and build various widgets with it in under 36 fours

Read.More

- A full-featured web application built with **Python Django**, **Flask** and **Spark**, that generates book recommendations based on user rating
- Used **Flask** to build a recommendation engine API which generates book recommendations and updates the ML model
- Integrated Spark ALS algorithm to produce a recommendation model that utilizes user-based **collaborative filtering**

Kicks4Sale

- **Full-stack web application** for an e-commerce shopping platform built with **Express.js**, and **Node.js**
- Integrated PayPal **API** allowing for fast and efficient payment processing
- Incorporated persistent data storage with **MongoDB**, that kept existing orders, products and user information