

DAN BLAIS

Telephone: 613-266-5989 | Email: blai0327@algonquinlive.com

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EDUCATION & TRAINING

Diploma Computer Programming, Algonquin College, Ottawa ON

2023 - 2024

- Dean's List, GPA 3.95 / 4.0
- Selected Coursework: Object Oriented Programming (Java), Database and Database Management Software (SQL), Operating Systems and Terminal Operations (Windows 11, Linux Ubuntu Distribution), Web Programming (HTML, CSS, JS, PHP), Enterprise Application Programming (REST API), Technical Writing and Communication.

BA Honors Health Psychology, Carleton University, Ottawa ON

2016 - 2020

- Graduated with Distinction (CGPA 9.8 - 10.4 / 12.0), Dean's List

PROGRAM RELATED QUALIFICATIONS

Programming Languages: Java 17 - 21, Python, CSS 3, HTML 5, JavaScript / NodeJs, PHP, SQL, Dart

Database Systems: Postgres, MySQL, MS SQL Server, MS Access, OracleDB, MongoDB

Database Software: PgAdmin 4, MySQL Workbench, Oracle SQL Developer, MS SQL Management Studio 2017

Operating Systems: Windows 7 - 11, Linux – Arch, Linux - Ubuntu

Software Tools: Eclipse, IntelliJ Idea, VSCode, Git, Maven, Gradle, Postman, Microsoft Office (Word, Excel, Outlook)

- Designed, developed, and implemented a RESTful API using Jakarta-EE and Springboot.
- Engineered and implemented several web Applications with persistence support provided through JDBC.
- Developed a feature-rich CSV parser and editor written in Python, using Tkinter.
- Demonstrated expertise in technical communication within an AGILE development environment.
- Tested and maintained several applications using unit testing to identify and fix bugs.

Relevant Experience

CatchDupe Zoho Extension – Yutechs LLC

2024

- Designed and developed a Zoho CRM extension for the client, Yutechs LLC, providing a robust search functionality allowing the identification of duplicate customer records.
- Implemented a sync feature to sync Zoho CRM customer data with a local database, to execute searches from, using API calls.
- Engineered a search algorithm which converts an unlimited number of search parameters into a boolean expression and evaluates it to return search results.
- Analyzed, and tested code; debugged problematic code to ensure optimal performance and stability.
- Worked alongside other developers in an AGILE environment to deliver the product to the client.

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ADDITIONAL QUALIFICATIONS

- Excellent communication skills both verbal and written. Works effectively in collaborative settings.
- Strong leader, able to manage and motivate team members to accomplish tasks in a timely manner.
- Careful attention to detail; ensuring work is completed in a timely manner.
- Reputation for reliability, punctuality, and professionalism. Highly motivated and determined.
- Highly dedicated to implementing projects with a high level of functionality, stability, and completeness.

ACADEMIC PROJECTS

Mock Shopping Website - Web Development

2024

- Developed a mock shopping website using HTML, CSS, JavaScript, PHP, and MySQL.
- Integrated a user account system, a fully functional shopping cart system, and a product search system, while adhering to responsive design and accessibility principals.
- Analyzed, and tested code; debugged problematic code to ensure optimal performance.

Python CSV Parser – Programming Language Project

2024

- Designed and implemented a Python CSV parser and editor using the Tkinter GUI framework.
- Implemented several features including the ability to import and export CSV data, search and filter data, insert, update, and delete data and reloading data from memory.
- Integrated deamon threading to improve program performance and efficiency when processing large datasets.
- Debugged and maintained code using PyTest and manual testing.

PERSONAL PROJECTS

Retail Inventory Management Program

2023

- Designed and implemented an inventory management application for a local record store using Java.
- Developed a Postgres database to persist inventory data.
- Interfaced between the java program and the database using the Java JDBC library.
- Implemented select, sort, insert, update, and delete queries which could be executed from the java app.
- Analyzed and debugged code to ensure optimal performance and removal of bugs.

EMPLOYMENT

Sales Associate, The WoodSource, Ottawa ON

2021 - 2022

- Actioned orders from in-store customers, phone-ins, Shopify, and email inquiries. Ensured that customers received their orders promptly, with quality service.
- Performed various administration tasks including: the creation of Excel spreadsheets to track prices and inventory, managing and notifying customers when their orders were complete, and maintaining a daily list of delivery orders; providing support to all areas of the business.
- Collaborated with employees from different departments to ensure that orders were built with speed and precision, ensuring customer satisfaction.
- Facilitated high value sales, including a sale worth over \$98 000 CAD, providing sizable profits for the business.

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REFERENCES

Sanjay Gupta, Developer, Yutechs LLC , Folsom CA - USA

- Email: projectsguru@yutechs.com

Sazzad Hossain, Professor, Algonquin College , Ottawa ON

- Email: hossais2@algonquincollege.com

Nic Vowles, Retail Manager, The WoodSource, Ottawa ON

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