AVERY BRIGGS

Moose Mountain, N.B. | https://github.com/abriggs914

(506) 323-8472 | abriggs914@gmail.com

PROFESSIONAL SUMMARY

Software & Systems Developer with nearly 5 years of hands-on experience designing, building, and maintaining internal tools for a manufacturing business. Adept in Python, MS SQL Server, and MS Access, partial to UI / UX development including Streamlit and Tkinter. Strong focus on building reliable systems that solve real-world operational problems. Demonstrated ability to independently deliver full projects—from concept to deployment—while collaborating with non-technical users and cross-functional teams. Known for clean, practical code, intuitive user interfaces, and a strong sense of ownership. Currently focused on growing team-based development skills, including Git collaboration and Agile methodology, to transition into a larger software engineering environment. Seeking to leverage proven software development ability and systems insight in a formal engineering team with opportunities for mentorship, collaboration, and continued growth.

EXPERIENCE

PROCESS ANALYST

BWS Manufacturing Ltd. | Centreville, N.B.

JAN 2021 – MAY 2025

Acted as in-house systems developer and administrator for a mid-sized manufacturing plant. Offered some on-site IT support while liaising with external IT providers, managing firewalls, cloud backups, VPNs, and various network requirements. Primary responsibilities involved mainly systems improvements, from business logic creation to product design, delivery, and maintenance. Replaced legacy graphs and reports with modern and interactive dashboards integrating Streamlit and python environments alongside Syspro, SQL, and MS Access environments. Promoted system health and reliability by proactively refactoring inefficient queries, cleaning data pipelines, and optimizing frontends for usability. Supported end users and gathered business requirements directly from staff; translated ambiguous needs into deliverable systems.

Notable Projects:
- IT Request and Inventory ticketing systems. Built from scratch using SQL and Access.
- Custom drag-n-drop production schedule. CustomTkinter application packaged into an executable file.
- Streamlit dashboards for sales, inventory, BOM department core functions; including inputs and reporting.
- PDF parsing of legacy reports to digitize old work. Performed using python and modules: pdfplumber, streamlit, and pytesseract.
- Implementation of Access version control protocols to maintain program integrity.
- Repaired a K40 laser engraver, replacing the CO_2 tube and re-wiring.

BASKETBALL REFEREE

CBOC | Fredericton, N.B.

OCT 2013 – MAR 2020

Officiated 500+ games across multiple competitive levels. Known for composure, fast decision-making, and impartial enforcement in dynamic environments.

KITCHEN STAFF

FMI Burger King Restaurants | Fredericton, N.B.

MAY 2015 – SEPT 2017

Delivered consistent customer service in fast-paced team environments while managing academic responsibilities.

FARM HAND

Hunter Brother's Farm Market | Florenceville-Bristol, N.B.

JUN 2011 – AUG 2013 (SEASONAL SUMMER POSITION)

Demonstrated discipline and responsibility through early morning shifts and physically demanding labor in an agricultural setting. Responsible for grading and collection of produce sold both in-market and whole-sale.

BASKETBALL MINOR OFFICIAL

Various schools | N.B.

NOV 2006 – MAR 2013 (SEASONAL WINTER POSTION)

Became the resident clock-keeper for FMS and CNHS during my time there. Responsible for coordinating and training other officials for all games for nearly all school teams throughout the year.

EDUCATION

BACHELOR OF COMPUTER SCIENCE

UNB - Fredericton N.B.

MAY 2020

- Began studies in the faculty of science with a specialization in chemistry. Finished my studies in the faculty of computer science with a specialization in software systems.
- Recipient of Governor Thomas Carleton Entry Scholarship.

HIGH SCHOOL DIPLOMA

Carleton North High School – Florenceville-Bristol N.B.

JUNE 2013

- Enrolled in the French immersion program.

SKILLS

Technical

- Microsoft Office applications 2007 – 365. Affinity for Access and Excel.
- Windows computer architecture.
- Database work: Microsoft SQL Server 2008, MS Access.
- Languages: SQL, Python, VBA, Java.
- Exposure to Syspro MRP system coupled with custom VB script solutions.
- Tools and libraries: streamlit, tkinter, pandas, pdfplumber, pytesseract, pyodbc, geopy experience.
- Experience using coding agents to debug and build.

Other

- Exceptional communication and collaboration.
- Strong work ethic and drive.
- Quick study, and resourceful.
- Responsible and dedicated.
- Friendly and accountable.
- Perceptive and cooperative.
- Trustworthy and enthusiastic.

ACCOMPLISHMENTS, VOLUNTEERING & CERTIFICATIONS

- Certified intermediate plus in the French oral proficiency exam (June 2013).
- UNB dormitory orientation committee (September 2014).
- UNB dormitory social representative (September 2014 – April 2015).
- UNB Relay for Life steering committee logistics team (September 2013 – February 2014).
- One of 12 finalists in the Kaspersky Academy Partner's Summit (KAPS) competition hosted in Lisbon, Portugal (December 2019).

HOBBIES

I am a big sports and athletics fan. I enjoy an active lifestyle, biking and kayaking in the summer, refereeing and weight training during the winter. I love to model and design for my 3D printer, creating both art and functional prints. I spend my spare time creating software. My focus is personal improvement through software exposure. I use custom software to track my finances, create predictions, and automate tasks; constantly applying myself and attempting to further my knowledge and productivity.

REFERENCES

Available upon request