Ben Harrison

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Github: https://github.com/bvdh98
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Portfolio: https://ben-harrison-softwar

Technical Skills

Other tools:	*MS Office Suite, Git, GitHub, Azure, JIRA*
Languages:	*MySQL, Python, C# , R*
Web Development:	*HTML5, CSS3, JavaScript, jQuery, React JS*

Work Experience

Survey Programmer (Sep 2023 - Present)

YouGov | Toronto, Ont (Remote)

- Programmed online market research surveys using QSL, a proprietary language based on Python
- Closely worked with project managers to design code based on project requirements
- Customized the style and features of surveys using CSS and JavaScript
- Ensured to thoroughly test surveys to prevent front end errors on different browsers and devices
- Cleaned and analyzed survey data using R. Quickly resolved data issues/errors by closely reading cleaning code

Research Assistant (Aug 2022 - Aug 2023)

BC Public Service │ Victoria, B.C. (Remote)

- Developed, researched, and tested a Python program to automate CallWeb survey development which improved team efficiency
- Migrated a legacy C# .NET Core app to version 7.0 for the internal IT team
- Modified an R script to produce data tables for the BC Wildfire Service Survey. Collaborated with other analysts to plan and design the data tables
- Worked within a team to plan a more efficient and reliable government employee database

IT Specialist (Jul 2022 - Aug 2022)

Salvation Army │ Vancouver, B.C.

- Modified a Python Selenium script used for auto testing a user registration form. Documented any changes made and how to run the code for the future IT specialist
- Developed user friendly technical documentation to help future office workers easily migrate from different apps to equivalent Microsoft office apps.
- Offered technical support to office staff, resolving email migration issues and troubleshooting complex problems through research

Education

Junior Data Analyst Program (May 2022)

NPower Canada │ Vancouver, B.C.

- Intensive online training covering data integrity, wrangling, mining, and visualizations.
- Demonstrated a high level of understanding of Agile Project Management Lifecycle and key techniques and successfully complete Agile projects using tools such as Scrum, Kanban, and Gantt Charts

Computer Systems Technology Diploma (Apr 2021)

BCIT│ Burnaby, B.C.

- Comprehensive 2-year program covering software development fundamentals, including object-oriented programming, relational databases, RESTful API development, data structures and algorithms, software testing, business analysis, Agile project management, and networking

- Developed a strong understanding of SQL and database concepts such as security, design, views, stored procedures, and triggers and events

Certifications

Code with Mosh Complete SQL Mastery Certificate (Jul 2023)

IBM Data Analyst Professional Certificate (May 2022)

Microsoft Azure Fundamentals Professional Certificate (Mar 2022)

Practicum Projects

- Participated in two industry-sponsored projects, working in Agile teams to develop apps throughout the full software development lifecycle from user requirements gathering to post-deployment maintenance.
- Engaged in code reviews, work estimating, and planning.

Our Footprint (Apr 2020 – May 2020)

[Repository](#)

- Worked within a group of 4 other students to create a carbon calculator web app for Canadian V-Chip Design Inc.
- The calculator accurately computes a carbon footprint by using data from the user`s Fortis BC and BC Hydro bills
- Implemented a modern and responsive front-end with Angular.Js that promoted an intuitive and aesthetically pleasing experience for users
- Confirmed front-end functionality by testing on multiple screen sizes.
- Built with: Angular, Django, Postgres, Material UI

Other Projects

YouTube Audio Editor (Nov 2023 – Present)

[Repository](#)

- Created an application that allows users to substitute the audio track of a YouTube video with audio sourced from another YouTube video specified by the user.
- Built and designed an API following best practices
- Built with: Flask, React

CallWeb Converter (Nov 2022 – Jun 2023)

[Repository](#)

- Identified an opportunity to save my colleagues time from manually developing their own CallWeb code, by automating the CallWeb development process
- Currently developing an object oriented Python program to convert a survey template word document into CallWeb code
- Analyzed the processes of the team and gathered feedback on their needs to create features for the program
- Tested the software using different surveys and user tests
- Built with: Python, Pandas library

Student Survey Completion Rate Report (Feb 2023 - Mar 2023)

[Repository](#)

- Automated the development of an Excel report for another colleague, which pulls BC student graduation data from another spreadsheet and creates an output of summary tables
- Documented and explained the code to my colleague using non technical language
- Built with: Python, Pandas library