

# Daulton Baird Full Stack Developer

Striving to build software with a purpose and improve my skills as a Software Engineer.

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## Technical Skills

**Programming Languages:** C#, Python, JavaScript, jQuery, Java, PHP, R, C, HTML, CSS, SQL

**Frameworks:** React, Node JS, Laravel, Vue.js

**Related Technical:** Git, Azure Devops, CI/CD pipelines, Agile Scrum, Kibana, Jira, Confluence, Trello, Tableau, Android Studio

## Education

**Bachelor of Science with Major in Computer Science, Minor in Data Science**

The University of British Columbia, Okanagan Campus | 2021

## Industry Experience

### Software Developer 1

CentralSquare | December 2021 – Present

**C#   Vue.js   JavaScript   Docker   SQL   Kibana**

- Wrote, reviewed, tested, and refactored C# code.
- Learned the Model-View-Controller (MVC) model, xUnit testing framework, and .NET framework.
- Developed, tested, and created releases for Vue.js framework changes for the frontend of the application.
- Communicated with and conducted software demonstrations for internal and external customers.
- Participate in creating coding standards, best practices documentation, and quality release notes
- Deployed to test environments using Continuous Integration (CI) and Continuous Delivery (CD) pipelines, Docker, and Azure Devops.
- Learned the applications of Agile Scrum and how to prepare for the ceremonies including the analysis of burndown & burnup charts.
- Improved on my SQL querying abilities and learned how to utilize Language-Integrated Query (LINQ) queries in C#.
- Analyzed and debugged error and warning logs using Elastic Kibana logging system.
- Applied RESTful standards to REST API endpoints and used Postman and Swagger UI for testing the API.

### Software Developer/ Undergraduate Academic Assistant

Office of the Provost and Vice-Principal Academic | The University of British Columbia, Okanagan Campus | April 2018 – August 2021

**HTML   CSS   JavaScript   jQuery   R   Linux   Bootstrap   Laravel   PHP   Tableau**

- Designed and customized Canvas Catalog platform using custom HTML, CSS, JavaScript, and jQuery ([website link](#)).
- Developed and deployed (to a Linux server) a web application called Time Estimator using R's shiny apps library as well as custom JavaScript, jQuery, HTML, and CSS ([GitHub link](#)).

- Developed front-end pages using HTML/CSS, and Bootstrap as well as back-end emailing tools and data visualization using PHP and JavaScript for Curriculum MAP project ([GitHub link](#)).
- Lead a group of six co-op students using agile scrum methodologies for the creation of a large portion of the administrative functionality of the Curriculum MAP project ([GitHub link](#)).
- Instructed non-technical people on technology basics with the Essential Skills for Your Digital World public outreach program in collaboration with the Okanagan Regional Library ([website link](#)).
- Planned, designed, and implemented the creation of a new website for UBC's Planning and Institutional Research Office (PAIR) using WordPress as well as implemented Tableau Public for big data visualization on the new website ([website link](#)).

## Software Developer/ Undergraduate Research Assistant

Makerspace UBCO | The University of British Columbia, Okanagan Campus | June 2018 – March 2020

**Python   HTML   CSS**

- Developed TextAnalyzer application for detecting keywords in paragraphs of text such as an essay using Python libraries such as tkinter, openpyxl, pandas, xlrd, and re ([GitHub link](#)).
- Provided walkthroughs and in-person training groups and 1 on 1 sessions for faculty, staff, and students working in the makerspace.
- Built the makerspace website using WordPress and UBC's WordPress theme, including preparing, managing and adding content such as images, videos, and text with HTML and CSS ([website link](#)).

## Lead Teaching Assistant

School of Engineering | The University of British Columbia, Okanagan Campus | June 2019 – August 2019

- Scheduled and planned events, field trips, and Teaching Assistant work schedules.
- Supported and communicated with international exchange students with a language barrier.
- Lead events and provided guidance for the students and Teaching Assistants of the program.

## Data Analyst/ Undergraduate Research Assistant

Department of Biology | The University of British Columbia, Okanagan Campus | June 2020 – August 2020

**Python   Conda   PICRUSt2   R**

- Analyzed metagenomes and genetic sequences using PICRUSt2 Python library and Conda.
- Organized the data into CSV and TSV files using Python and R libraries through the PICRUSt pipeline.
- Visualized the data using R libraries ggplot2, pheatmap, and qiime.
- Ran statistical analysis including p-tests on the data to test the hypothesis of the project.