Daulton Baird   Full Stack Developer

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

daultonb.github.io | linkedin.com/in/daultonbaird | github.com/daultonb | daultonbaird1@gmail.com

Technical Skills

Programming Languages: Python, JavaScript, jQuery, HTML, CSS, Java, PHP, R, C, SQL
Frameworks: React, Node JS, Laravel
Related Technical: GitHub, Jira, Confluence, Trello, WordPress, 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/ 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

For this position, one of the projects that I worked on was the implementation of Canvas Catalog. My responsibilities for this were to design and customize the Canvas Catalog platform using custom HTML, CSS, JavaScript, and jQuery. One of the web development projects that I worked on in this role was the Time Estimator project. In this project, I was the sole web developer and my responsibilities were to develop and deploy (to a Linux server) the web application using R's shiny apps library as well as custom JavaScript, jQuery, HTML, and CSS. The other main web development project that I worked on in this role was the Curriculum MAP project. For this project, my responsibilities we to develop front-end pages (blades) using HMTL, CSS, Bootstrap, and PHP as well as back-end emailing tools and data visualization using PHP and JavaScript. In this Curriculum MAP project, I was also assigned the Tech Lead role and I 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. One of the public outreach projects that I worked on in this position was the Essential Skills for Your Digital World project. In this project, I instructed non-technical people on technology basics, and redesigned curriculum to create a better flow for the students. In this role I also 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.

- [Canvas Catalog website](#)
- [Time Estimator GitHub](#)

- [Curriculum MAP GitHub](#)
- [Essential Skills for Your Digital World website](#)
- [Planning and Institutional Research (PAIR) website](#)

Software Developer/ Undergraduate Research Assistant

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

Python   HTML   CSS   WordPress

During my time working in this position, I developed the TextAnalyzer application for detecting keywords in paragraphs of text such as an essay using Python libraries such as tkinter, openpyxl, pandas, xlrd, and re. I was also responsible for providing walkthroughs and in-person training to groups and 1 on 1 sessions for faculty, staff, and students working in the makerspace. I also utilized my web development skills to build 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.

- [Text Analyzer GitHub](#)
- [Makerspace website](#)

Lead Teaching Assistant

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

In this role, my responsibilities were to scheduled and planned events, field trips, and Teaching Assistant work schedules. I also supported and communicated with international exchange students with a language barrier. Another responsibility was to 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

In this role I learned how to analyze metagenomes and genetic sequences using PICRUSt2 Python library and Conda. Using the analyzed data, I organized the data into CSV and TSV files using Python and R libraries through the PICTUSt2 pipeline. With the organized data, I Visualized the data using R libraries ggplot2, pheatmap, and qiime. Then, I ran statistical analysis including p-tests on the data to test the hypothesis of the project.

Related Coursework

DDR Discussion Forum

COSC 360: Web Development | January 2021 – April 2021

React   **NodeJS**   **jQuery**   **HTML**   **CSS**   **SQL**

In this project, I created frontend components such as the navbar, search bar, and hompage layour using React functional components. Another task that I completed was creating the post preview feature which allows the user to preview their post in a modal before posting to the website. I also spent time ensuring that the website conformed with Web Design principles including utilizing 2 column layout and accommodating accessibility issues. I also implemented responsive design philosophies including the usage of mobile devices to interact with the website to improve user experience. Another notable task that I worked on was working collaboratively on SQL database queries using easy-peasy React library to fetch and retrieve data from SQL databases.