

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

- 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 HMTL/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 WordPress

- 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.

Related Coursework

DDR Discussion Forum

COSC 360: Web Development | January 2021 – April 2021

React NodeJS jQuery HTML CSS SQL

- Created frontend components such as the navbar, search bar, and homepage layout using React functional components.
- Create the post preview feature which allows the user to preview their post in a modal before posting to the website.
- Conform with Web Design principles including utilizing 2 column layout and accommodating accessibility issues.
- Implement responsive design philosophies including the usage of mobile devices to interact with the website to improve user experience.
- Collaborated on SQL database queries using easy-peasy React library to fetch and retrieve data from SQL databases.