

Daulton Baird

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I am extremely passionate about finding ways to develop innovative software and use Artificial Intelligence to automate tasks, improve code, and simplify many aspects of life.

Professional Experience

Central Square Technologies - Kelowna, BC

2021 - Current

Software Developer 2

- Wrote, reviewed, tested, and refactored C# code using .NET 6 framework and Model-View-Controller (MVC) standards including Language-Integrated Query (LINQ) queries and SQL.
- Developed, tested, and deployed nuget package releases for Vue.js frontend framework.
- Deployed to client environments using Continuous Integration and Continuous Delivery (CI/CD) pipelines, Docker, and Azure Devops.
- Applied RESTful standards to API endpoints and used Postman and Swagger for testing endpoints.
- Optimized file storage and sending of emails using AWS S3 and AWS SES.

The University of British Columbia - Kelowna, BC

2018 - 2021

Software Developer

- Designed a custom Canvas Catalog platform using HTML, CSS, JavaScript, and jQuery ([website link](#)).
- Developed a web app using R, JavaScript, and jQuery. Deployed app to a Linux Server ([GitHub link](#)).
- Developed back-end email tools and data visualization using PHP and JavaScript as well as pages using HTML, CSS, and Bootstrap.
- Planned, designed, and implemented a new website for UBC's Planning and Institutional Research Office using WordPress. Implemented Tableau Public for big data visualization ([website link](#)).

The University of British Columbia - Kelowna, BC

2020 - 2020

Data Analyst

- 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.

The University of British Columbia - Kelowna, BC

2018 - 2020

Software Developer

- 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](#)).
- Built the makerspace website using WordPress including preparing, managing and adding content such as images, videos, and text with HTML, CSS and PHP ([website link](#)).

Education

The University of British Columbia

Bachelor of Science - Major in Computer Science, Minor in Data Science

2021

- Coursework included: Machine Learning, Computer Vision, Analysis of Algorithms, Data Analytics, Machine Architecture, Operating Systems and more.

Skills & Related Technical

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

Frameworks: React.js, Node.js, Laravel, Vue.js, .NET 6, Tkinter, Openpyxl, Xlrd, Conda, LINQ, Bootstrap.

Related Technical: Git, Azure Devops, AWS S3/SES, Agile Scrum, Docker, Tableau, Prompt Engineering.