ALISON MYERS

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Programming Languages & Tools	Data, Visualization & Communication	Learning Technologies & Standards
Python, R, git (GitHub), SQL (MySQL, Athena), HTML, CSS, Javascript	Tableau, PowerBI, Microsoft Office Suite	Canvas, Blackboard, Panopto, Kaltura; Caliper, xAPI, LTI

EMPLOYMENT

Programmer Analyst II, Centre for Teaching Learning & Technology, the University of British Columbia (UBC)   Sept 2023 – Present

- Designs, plans, and implements solutions for Learning Analytics, utilizing data sources like clickstream, engagement data, learner demographics, and survey data. The solution may be custom software, reports or dashboards.
- Supports the software development lifecycle, ensuring adherence to programming/ development methodologies and best practices.
- Develops data models and processes for extracting, transforming, and cleaning data sets for educational analytics systems. Conducts data validation, quality assurance, and system testing for reporting and analytics systems.

Senior Data Analyst, UBC Sauder School of Business   Jan 2023 – Aug 2023

- Managed analytics projects: leading consultation with stakeholders, developing business cases, creating project plans and status reports, managing scope, timelines, deliverables and communications.
- Built and maintained intuitive interactive dashboards and data visualizations that catered to the needs of senior leaders, administrators, operational support staff, and instructors using Tableau and python libraries.
- Utilized various technologies to emphasize replicability and maintain excellent documentation standards for all data, reporting, and dashboard projects.

Research Analyst, UBC Sauder School of Business   Jan 2017 – Dec 2022

- Established an [open-source framework](#) (APIs, python, Jupyter, GitHub) for the development of 30+ tools that automated manual work flows and promoted analytics within the institutional ecosystem.
- Created workflows and programs for extracting, cleaning, and transforming learning ecosystem data (Canvas, Panopto, Qualtrics) using GraphQL and REST API. Workflows were accompanied by documentation and reporting to deliver insights to stakeholders and leadership.
- Created a culture of data-first initiatives to allow instructors and senior leadership to use data more effectively for the evaluation of educational programming.

Data Analytics Specialist, UBC Sauder School of Business   Sept 2015- Dec 2016

- Updated quarterly evaluation reports by developing an automated reporting system (R, RMarkdown, and Latex) and data management workflow.

- Introduced and led the sponsorship of modern reporting solutions which led to the successful adoption of business intelligence tools: Tableau Desktop and Tableau Server.

COMMUNITY LEADERSHIP

LAVA Community Leader, UBC   2015 – present

- Leads the Learning Analytics/Visual Analytics (LAVA) community of practice at UBC which fosters relationships across faculties with the common goal of promoting awareness and adoption of analytics in the institution. Over 5 years of regular monthly knowledge sharing and development sessions with regular audiences of 15-20.

Hackathon (Learning Analytics), UBC   2015 – present

- Planned and hosted Learning Analytics hackathons and workshops to give students hands-on experience tacking real world data challenges and to raise awareness of Learning Analytics. These semi-annual events regularly attract 100+ students.

PUBLICATIONS

Macfadyen, L. P., & Myers, A. (2023). The "IKEA Model" for pragmatic development of a custom learning analytics dashboard. *ASCILITE Publications*, 482–486. https://doi.org/10.14742/apubs.2023.465

EDUCATION

Master of Educational Technology, University of British Columba   2022
Bachelor of Arts, Cognitive Systems, University of British Columbia   2015
Bachelor of Science, Honours Psychology, University of Waterloo   2012