

Data visualization enthusiast. Seeking opportunities in a collaborative environment that promotes data engagement and analysis. Skilled with developing C, C++, Python, and R data analysis pipelines, as well as creating interactive web-based data presenting dashboards with Tableau Extensions or Shiny.

Current Position

Research Assistant

Vancouver Institute for Visual Analytics | Sep 2020

- Tableau Extension Development

Education

Master's Student | Computer Science

Simon Fraser University | Jan 2019 - Present

- **Concentration:** Computational Biology
 - **Thesis:** Visualizing epigenomic signals to assist in their exploration and evaluation.
- **Supervisor:** Professor Kay C. Wiese

Experience

Undergrad Research Mentoring

Computational Biology Lab | SFU

Achievements:

- Assisted in research and programming skills development.
- Provided educational materials and practice scripts.

Teaching Assistant

- Discrete Mathematics I
 - Instructor: Prof. Kay Wiese
- Data Structures and Algorithms
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 - Instructor: Prof. Valentine Kabanets

Achievements:

- Maintained one on one communications with students to understand their problems and support them with accurate solutions.
- Maintained 50-minute tutorials discussing review questions and solutions.
- Provided quick response to emails, questions, and issues.

Notable Graduate Projects

• Data Visualization

- Created an interactive visualization for UN water resources data set using the D3 library.

• Data Mining

- Modified RankLib – a library of ranking algorithms– to be able to rank items based on a custom ranking function.

• Systems for Big Data

- Detailed reports on Cassandra and Netflix data storage systems.

Awards and Scholarships

- Special Graduate Entrance Scholarship
 - Awarded to outstanding incoming graduate students.
- Graduate Fellowship
 - Awarded on criteria including grades and research ability.
- Graduate Research Travel Award

Technical Skills

General-Purpose

C • C++ • Java • Python • R • Perl

Front-end

JavaScript • JQuery • D3 • CSS • HTML

Back-end

PHP • MySQL

Others

LaTeX • Linux • MATLAB • Microsoft Office • TensorFlow • Minishift • Tableau • Shiny