

Zak White

Computer Scientist

Victoria, BC
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EXPERIENCE

Data Analyst, *First Peoples' Cultural Council*

FEBRUARY 2025 - present

- Process and analyze financial data to support the organization's mission to revitalize Indigenous culture
- Use Excel, Power BI, and NetSuite to prepare reports for internal departments, funders, and government review
- Generate analyses with R, Python, SQL, JavaScript, and DAX, depending on requirements
- Initiate insight-driven investigations into engagement trends, identifying metrics of success, and demographic representation

Intermediate Software Developer, *Swordferns Digital*

NOVEMBER 2022 - FEBRUARY 2025

- Collaborated with clients on specialized web and desktop applications
- Developed REST APIs and data flows in Python and TypeScript, integrating relational and non-relational databases
- Designed and implemented process automations and data pipeline integrations to optimize client workflows

Research Student, *COBRA UVic*

SEPTEMBER 2021 - JUNE 2022

- Conducted independent and collaborative research within the Computational Biology Research and Analytics (COBRA) lab
- Analyzed high-dimensional biological data using Python, R, and Bash in Linux-based environments

EDUCATION

BSc. Honours Computer Science, *University of Victoria*

SEPTEMBER 2017 - APRIL 2022

- Statistics minor; co-op program
- Specialization in bioinformatics & artificial intelligence
- 8.67 (9-point scale) fourth-year GPA (A+)

SKILLS

Programming & Scripting

Python, R, Bash, JavaScript, TypeScript, SQL, NoSQL

Soft Skills

Analytical/problem-solving skills, self-direction, research proficiency, technical & thesis writing

Data & Analytics

Machine learning, ETL-style data processing, statistical analysis, time-series and noisy data

Infrastructure

Azure, Firebase, Docker

Development Tools

Git, GitHub, Azure DevOps, Jest, NPM, CI/CD pipelines

Operating Systems

Linux, MacOS, Windows