

Kaleigh Feder

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EDUCATION

Queen's University

Sept 2019 – May 2025

Candidate for Bachelor of Computing with professional internship – Artificial Intelligence

Coursework: Computer Architecture, Logic for Computing Science, Game Design, Cognition and Computation, Data Structures, Software Specifications, Operating Systems, Software Architecture, Algorithms, Artificial Intelligence, Database Management, Computer Networks, Human Computer Interaction

SKILLS AND TECHNICAL TOOLS

Languages: Python, Java, JavaScript, HTML, CSS

Technologies: React, Next.js, Bulma, Tailwind, Flask, Swing, Elasticsearch DSL, OpenAPI, OpenLink Virtuoso, FastAPI, Figma, SPARQL, GitLab, GitHub, Docker, and JIRA

PROFESSIONAL EXPERIENCE

Student Developer Internship | Canada Revenue Agency

May 2023 – August 2023

- Developed and implemented unit tests, enhancing software reliability and code quality.
- Collaboratively designed conditional rendering for Java Swing application components, enhancing user interface flexibility.
- Demonstrated commitment to industry-best practices through self-learning in Java and coding standards, solidifying expertise in technical skills.

Junior Analyst | Statistics Canada

May 2021 – April 2023

- Encoded metadata into standard knowledge graph format using YARRRML, following StatDCAT-AP and DCAT-AP guidelines, resulting in improved data visibility and discoverability for statistical datasets.
- Led the design and development of a metadata search engine using React, Elasticsearch and Material-UI, enhancing search capabilities for efficient data retrieval.
- Utilized FastAPI and OpenAPI to establish standardized RESTful APIs in Python, ensuring efficient data communication and integration.
- Conducted troubleshooting and testing of use cases for the search and discovery web application to ensure alignment with provided business requirements and facilitate effective problem-solving.

EXTRACURRICULARS

Full Stack Developer | Queen's University Computing Students Association)

June 2023 – Present

- Leveraged Next.js, Bulma CSS and Docker to build a responsive Admin Panel Website facilitating real-time updates to the COMPSA website database to enhance user interaction with the API and deliver an intuitive user interface with pop-up modals.
- Collaborated to explore, implement, and customize user authentication, integrating login forms and loading screens to ensure data protection and enforce user permissions.

Student Subcommittee Coordinator | Statistics Canada

May 2022 – September 2022

- Managed a team of 10 student volunteers to strategize and execute professional and social events, resulting in a substantial increase in event attendance.
- Oversaw weekly meetings, ensuring that all team members remained aligned with deliverables and fostering active participation.
- Conceptualized and curated events tailored to Statistics Canada's student community, enhancing the remote workplace experience, and fostering a stronger sense of unity among students.

PERSONAL PROJECTS

Personal Portfolio | Next.js, JavaScript, HTML, CSS (Tailwind), Figma

September 2023

- Independently conceptualized, designed, and developed a fully responsive personal portfolio website within a two-week timeline, incorporating animations with Framer Motion and hosting the portfolio on GitHub Pages ([Portfolio Link](#)).