

Ekam Gill

<https://ekamk.github.io/> • ekamgill.k@gmail.com • (604) 868-2809

Education

University of Victoria

Bachelor of Science, Computer Science (4th year)

Victoria, B.C.

Expected Graduation Date: April 2025

Technical Skills

- Object-oriented programming in Java
- Low-level programming in C
- Data analysis and scientific computing with Python
- Statistical computing and graphics with R
- Unix scripting
- Proficiency in Microsoft 365 products
- Database systems and SQL
- Full-stack web development using HTML, CSS, Javascript, and React
- Embedded systems programming in AVR Assembly
- Version control with Git and GitHub
- Familiarity with Windows, MacOS, Linux, and Unix
- Familiarity with ServiceNow Jira, and Agile methodologies
- Understanding of Active Directory and Azure infrastructures

Technical Projects

Personal Website

January 2024

- Developed a website as a platform to showcase personal achievements, projects, and skills
- Demonstrated proficiency in HTML and Javascript to create a visually appealing and functional website, reflecting an understanding of web development best practices

Python Art Generator

April 2023

- Developed a program to generate HTML and SVG code, using Python
- Managed sequential text files using the Python file I/O API
- Practiced incremental software development

Airline Analytics

February 2023

- Developed a Python program to provide deep insights into airline data based on user input, using Python libraries such as Pandas and NumPy
- Conducted data cleaning, manipulation, and exploratory analysis on large data sets to identify key trends and patterns
- Gained experience in data analysis, Python programming, and software development

Airline Route Generator

February 2023

- Designed and implemented a C program to generate airline routes based on user input
- Employed Unix filters to manipulate and output airline data based on user-defined parameters
- Demonstrated proficiency in C programming, algorithm design, and Unix commands

Work Experience

British Columbia Investment Management Corporation

Victoria, B.C.

Technology Specialist Co-op/Internship

May 2024 - Present

- Collaborated with the Technology Service Desk team on day-to-day operations, including user requests, onboarding, offboarding, and account management.
- Managed user accounts, security groups, and service accounts in Active Directory, following best practices for account creation, decommissioning, and maintenance.
- Documented processes for the ServiceNow Knowledgebase to support continuous improvement.
- Provided clear and effective communication with users through written documentation and verbal interactions, ensuring smooth and efficient resolution of technical issues.

Zen Maker Lab Inc.

Victoria, B.C.

Engineering Instructor & Projects Developer

June 2023 - March 2024

- Assisted students in coding and programming projects, including the use of Arduino microcontrollers to build and program robots, facilitating their understanding of hardware-software interactions
- Collaborated with a multidisciplinary team to design and customize educational programs, aligning content with curriculum standards and age-appropriate learning objectives