

Abhay Khosla

THIRD YEAR SOFTWARE ENGINEERING · SEEKING SOFTWARE ENGINEERING INTERNSHIPS

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Education

University of Calgary

Calgary, AB

B.Sc SOFTWARE ENGINEERING | DEAN'S LIST | GPA: **3.7/4**

Expected Apr 2024

- **Relevant Coursework:** Introduction to Programming (C/C++), Data Structures and Algorithms (Java), Object-Orientated Programming (Java), and Discrete Mathematics
- **Clubs and Involvements:** First-Year Scholar, Indian Students Association, Schulich Aerospace Organization, ESS Peer Mentorship Program, and Schulich Ignite

Skills

Technologies Bootstrap, Git, Github, Figma, React, Microsoft Azure(DevOps), Microsoft Dynamics CRM, MySQL

Languages Java, Python, JavaScript, HTML, CSS, Bootstrap, C/C++, Processing, C#

Work Experience

Kobold Completions Inc.

Calgary, AB

SOFTWARE DEVELOPER

May. 2021 - Present

- Responsible for preparing, importing, and entering historical data into the new Kobold Digital Backbone.
- Working with existing data sets in **Microsoft Excel** (CSV) and developed multiple scripts to input data into **Dynamics CRM**.
- Working closely with the **DevOps** team to ensure data integrity.
- Providing support to IT personnel in developing, analyzing, testing, and debugging **C** programs for web-based applications.

Hoodoo Foods Inc.

Calgary, AB

WEB DEVELOPER

Dec. 2020 - Mar. 2021

- Tailor coding requirements for the website creation, including e-commerce capability and specialized scripts enforcing the security of the site.
- Perform user testing and tested websites prior to going live on the domain.
- Implement website and integrate solutions into business operations.
- Designed multiple dynamic and browser compatible pages using **HTML5, CSS3, Javascript(React, Redux)**.

Extracurricular

Schulich Ignite (Formerly Google IgniteCS)

Calgary, AB

EXERCISE MARKING COMMISSIONER

Apr. 2021 - Present

- Attended and participated in weekly meetings and actively provided suggestions for improvement and advancement of the program.
- Mentored and taught basic programming principles to high school students in community outreach program through **Python** and **Processing**.

Schulich Aerospace Organization Research

Calgary, AB

AVIONICS TEAM LEAD SOFTWARE

Mar. 2020 - Present

- Active involvement in all projects related to the on-board electronics of the rocket by developing the in house flight board which increases the **data logging by 50 %**
- Developing projects for communications, recovery system triggering, propulsion system triggering, in-flight data monitoring, processing, and in-flight decision making.
- **Coordinate with 7 other sub team leads** throughout the organization on collaborative projects for system integration of the navigation of the rocket.

Projects

Twitter Bot | [Code](#)

PYTHON, TWEETPY

- Built a **Python** automating script which can reply to a user when mentioned with Hello World, included the library of **Tweepy**
- Scripted an application on Python which can Retweet and Reply to a given number of tweets in particular search criteria.

Knockout Kings | [Code](#)

JAVA

- Utilized various libraries, classes and functions to ensure modularity and readability of code for others.
- Utilized Object-Orientated Programming Principles such as Classes, Abstraction and Encapsulation.