

# 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, 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 - Aug. 2021

- Experienced in writing Test Plans, defining Test Scenarios and Test Cases, developing and maintaining test scripts, analyzing bugs, interacting with **DevOps** Team and track the bugs till closure.
- Working with existing data sets in **Microsoft Excel** (CSV) and developed multiple scripts to input data into **Microsoft Dynamics CRM**.
- Follow and improve established processes for software development life cycle with an agile approach to delivery software.
- Can develop **RESTful API** and **Postman** endpoints containing **JSON**.

### 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.
- Boosted user experience scores by **55 %** over company-wide previous best.
- Fixed bugs from existing website and implemented enhancements that significantly improved the web functionality using **HTML5**, **CSS3**, **Javascript(React, Redux)**.

## Extracurricular

### Schulich Ignite (Formerly Google IgniteCS)

Calgary, AB

EXERCISE MARKING COMMISSIONER

Apr. 2021 - Present

- Led the submission marking team consisting of **15 mentors** and providing guidance to develop problem solving skills in students.
- 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 %**
- **Arduino** based software development for the Inertial Measurement Unit (IMU) of the avionics flight board.
- **Coordinate with 7 other sub team leads** throughout the organization on collaborative projects for system integration of the rocket.

## Projects

### ResearchGram | [Code](#)

HipHackArray Hackathon(Virtual)

PYTHON, CSS, SCSS, JAVASCRIPT, HTML

Jun. 2021

- Our team designed a web application which allows students to use **Semantic Analysis** to narrow our results with the Top 3 relevant documents from the dataset of the University of Colombia.
- Finished 1st Place(Prize **\$4000**) with over **35** teams competing winning.

### Google Homepage Clone | [Code](#)

CSS3, HTML5

Jan. 2021

- Cloning **Google's** simple home page was to practice my front-end skills while maintaining to industry-standard coding conventions.

### Arduino Smart Car | [Code](#)

C++

Feb. 2021

- Smart robot car with **Arduino Uno** and **Arduino Mega** (IR RC + Bluetooth RC + Obstacle Avoidance + Line Tracking)

### Twitter Bot | [Code](#)

PYTHON, TWEETPY

Aug. 2020

- Built a **Python** automating script which can reply to a user when mentioned with Hello World, included the library of **Tweepy**