

# Jashandeep Singh

## Computer Science Student

Dedicated and ambitious computer science student currently in the third year of pursuing a degree in computer science. I bring a solid foundation in technology coupled with four years of hands-on experience as a manufacturing engineer. Eager to apply academic knowledge to real-world challenges in a dynamic internship or entry-level role. **Keen observer and quick learner**

## Skills

### Programming Languages

Python, Java, C/C++, R

### Web Development

Django, JavaScript, HTML, CSS,  
Bootstrap, Tailwind

### Manufacturing

SolidWorks, Mastercam, G-Code

### Misc.

AWS, MySQL, Apache Webserver  
Git

### Operating Systems

Windows, MacOS, Linux

## Experience

### Manufacturing Engineer

June 2019 - March 2024

Canadian Babbitt Bearings Ltd.

- Utilized Mastercam to develop CNC programs for a range of machining equipment, including 5-axis mills, horizontal mills, lathes, and turn mills
- Proficiently created 3D models and detailed 2D drawings using SolidWorks
- Successfully deployed **lights-out** machining on Matsuura H-Plus 630
- Collaborated with cross-functional teams to identify opportunities for process improvement, resulting in increased operational efficiency and reduced production lead times
- Generated over 1000 CNC programs and 500 CAD designs, showcasing a high level of productivity and technical proficiency

## Education

September 2022-May 2026

### Bachelor of Science in Computer Science

Wilfrid Laurier University, Waterloo

September 2016-August 2019

### Mechanical Engineering Diploma

Conestoga College, Cambridge

## Projects

### Work Order Management System

Developed and implemented a Work Order Management System using the Django, enabling real-time tracking of progress of each order

### Gantt Chart Generation with Python

Created an application using openpyxl, pandas and requests libraries to retrieve data and generate Gantt chart

### CNC Macro Generator

Developed a Java application to integrate machine-specific macros into standard CNC programs for capturing essential data such as part counts, time taken per part, and other critical metrics

## Contact

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