

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

Email jsingh0779@gmail.com

Website <https://jashandeep.co.uk/>

Location Waterloo, ON