

Jashandeep Singh

Computer Science Student



Dedicated and ambitious computer science student with background in mechanical engineering, Currently in the second 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 leverage my technical knowledge and real-world experience to contribute effectively in the dynamic field of computer science.

Skills

Programming Languages:

Python, Java, C, VBA

Manufacturing:

SolidWorks, MasterCAM, G Code, GD&T

Web Development:

HTML, CSS, JavaScript, Django, SpringBoot

Operation Systems:

MacOS, Windows, Linux

Database Management:

MySQL

Misc:

Microsoft Office, Git

Experience

June 2019- August 2023

Manufacturing Engineer

Canadian Babbitt Bearings, Brantford

- Proficiently created 3D models and detailed 2D drawings using SolidWorks, ensuring accurate and comprehensive design documentation.
- Utilized Mastercam to develop CNC programs for a range of machining equipment, including 5-axis mills, horizontal mills, lathes, and turn mills, demonstrating versatility in programming
- Generated over 1000 CNC programs and 500 CAD designs, showcasing a high level of productivity and technical proficiency
- Successfully developed machine simulations for DMG Ecomill50 and 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.
- Developed and implemented a Work Order Management System using the Django web framework and SQL, enabling real-time tracking of progress
- Created various Python and Java-based applications to automate daily tasks, demonstrating a proactive approach to improving overall workflow efficiency.

May 2018- April 2019

CNC Setter/Operator

Stackpole International, Startford

- Maintained tight tolerances aligned with design specifications, ensuring high precision in manufacturing processes.
- Documented machining operations for clear communication and facilitated knowledge transfer within the team.
- Monitored and diagnosed malfunctions in diverse machining operations, showcasing keen attention to detail

Education

September 2022- May 2026

B.Sc. Computer Science

Wilfrid Laurier University, Waterloo

- Currently pursuing

September 2016- August 2019

Mechanical Engineering

Conestoga College, Cambridge

- Graduated with 3.5/4 GPA

Contact

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