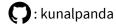# Kunal Pandya

KUNAL.PANDYA2@ONTARIOTECHU.NET | (647) 551-0061 | in : Kunal Pandya   ⊙ : kunalpanda

Objective: Dedicated student seeking a software engineering co-op position.

Highlights of Qualifications:

- Hands on experience with C, C++, Java, Python, TensorFlow, HTML, CSS, JavaScript, PHP, MySQL, react, typescript, next.js, tailwind, and shell scripts accumulated through multiple projects and classes.
- Strong understanding of Object-Oriented Programming using SOLID principles gained from courses and robotics programming in FIRST Robotics Competition.
- Comfortable working with several data structures, design patterns and API learned through courses and self-learning projects.
- Proficient with MS Suites, including Power Automate and PowerApps, and computer assisted design with SolidWorks and NX.
- Exceptional collaboration ability due to working with colleagues to design programming exercises for tutoring students.
- Excellent leadership skills earned by leading multiple teams and clubs during high school and teaching programming.
- Great communication skills achieved by working in group settings at work and within the university.

Education:

Honors Bachelor of Engineering - Software Engineering   May 2024

Ontario Tech University, Oshawa, ON
CGPA – 3.84

Projects:

Portfolio Website	Café Online Ordering Website
- Used HTML, CSS, JS, typescript, next.js, react and tailwind to make a responsive front-end. - Used Sanity.io to make the website modular and easy to edit for the future.	- Used HTML, CSS, JS to make the frontend of the website dynamic. - Used PHP and MySQL to make the login and ordering system along with password-hashing and SQL-injection prevention.
Machine Learning	**OTR Reflow oven**
- Used TensorFlow libraries in PyCharm to train models for linear regression, SVM, KNN and K means clustering. - Learned how to import and optimize data for different training algorithms.	- Used C to program PWM timer to control SSR. - Built circuit based on IO of the Nucleo board and setup STM32 completed peripheral selection using STM32CudeMX.

Work Experience:

Programming Tutor   Sept 2020 - Present
Ultimate coders

- Demonstrate effective communication and collaboration skills by customizing the curriculum for each student in conjunction with other tutors.
- Display leadership and adaptability by teaching students of a vast age group in various programming languages.
- Exhibit dependability by taking over classes for other tutors in cases of emergencies and cancellations.

Information technology Co-op   June 2023 – Aug 2023
Vale

- Demonstrated problem-solving skills by implementing automation for data update processes, enhancing efficiency, and ensuring real-time access to critical metrics within the Project Controls Department.
- Showcased adaptability and technical expertise by designing and maintaining an internal SharePoint website, streamlining operations, and facilitating efficient information management for the Project Controls team.

Sales Representative   June 2020 – Aug 2020
Vector Marketing

- Highlighted apt customer service skills through interacting with the customers and pitching the product in a virtual environment.
- Goal oriented mindset earned by constantly chasing sales targets and outperforming colleagues.

Extracurricular:

Ontario Tech Racing – Embedded Systems Programmer   2022 - Present
Ontario Tech University

- Design, prototype and construct a car to compete in the Formula SAE program.
- Learning embedded systems programming to communication over multiple communication channels.
- In the process of developing a reflow oven with software-based control systems programmed in an STM32 microcontroller using C.

Gujarati Student Association – Finance Executive   2022 - Present
Ontario Tech University

- Plan and host multiple large scale cultural events throughout the semesters.
- Use MS excel to track all expenses and compile expense report for the Ontario Tech Student Union.