

# SHREY PATEL

2B Computer Science

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## Skills

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**Languages** JavaScript(ES6), Python, C, C++, HTML, CSS, Bash Scripting, Scheme, Git

**Technologies** Linux, GCP, Docker, K8s, Node.js, Express, REST APIs, MongoDB, Bootstrap, Jmeter, Agile

## Work Experience

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### Software Intern, NCR Corporation — May 2020 - Sep 2020

- Worked in an Agile environment to run user load tests, analyze results and suggest code fixes to resolve bugs.
- Oversaw the testing of a containerized Kubernetes imaging application on local and GCP servers using Jmeter.
- Reduced testing time by 20% through developing a stepping thread model that combined three tests into one.

### Robotics Technician, First Robotics Team 6864 — 2019

- Managed a 6-member cross-functional team and coordinated with developers to build a human-sized robot.
- Identified critical hardware/software issues, and implemented strategic solutions for their timely resolution.
- Reduced build time by 45% through drafting a 3D CAD model for the robot chassis and drive train.

## Projects

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### BubbleBuy, Hack The North — 2021 (Demo - [Youtube](#))

- Developed and pitched a web application that connects members of a community to local businesses.
- Demoed a prototype created using React, Node.js, CockroachDB, Figma, and Github.

### Virtual-Q, NCR Global Hackathon; 3rd place — 2020 (Demo - [Youtube](#))

- Led a team of 5 to make an app that allows for virtual queuing at restaurants, placing 3rd.
- Demoed a prototype created using Python, Angular, Native-script, Node.js and Github.

### SaleSkrape, Python Web-Scraper Project — 2020

- Extracted desired data from the Wilson Sporting Goods website using the BeautifulSoup4 Python library.
- Analyzed the data and sent an email using SMTP to a personal Gmail account when equipment was on sale.

### Conway's Game of Life, C++ Project — 2020

- Developed 7 software modules in C++ using OOP and design patterns resulting in high cohesion and low coupling.
- Enforced Test-Driven Development by creating an automated test-suite prior to implementation using Bash Scripts.

## Extracurriculars

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### Volunteer, Rotary Club of Gravenhurst and Trinity United Church — 2020 - 2021

- Volunteer for a program that provides 350 families in my community with over 1500 meals every week.

### Executive, Town of Gravenhurst Winter Carnival Committee — 2019

- Fundraised over \$5500 from local sponsors to plan and execute an event for over 15,000 community members.

### Varsity Basketball and Badminton, Gravenhurst High School — 2016 - 2019

- Competed at the "OFSAA" provincial championships 5 times while receiving 4 "MVP" awards for athletic ability.

## Education

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**University of Waterloo** Bachelor of Computer Science with Co-op (Honours) — Sep 2019 - May 2024

**Course Work** Object-Oriented Programming, Algorithm Design, Data Structures, Functional Programming

**Udemy** Web Developer Bootcamp, Python Data Structures and Algorithms, Complete Python Bootcamp

**Coursera** Programming for Everybody, Learning How to Learn, Python Data Structures

## Interests

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**Basketball, Badminton, Weightlifting, Gaming, Music, Podcasts**