SHREY PATEL

2B Computer Science

s427pate@uwaterloo.ca | www.linkedin.com/in/shrey-1001 | www.github.com/shrey079 | +1 (647) 768-3820

Skills

Languages	Python, C, C++, HTML, CSS, JavaScript, Bash Scripting, Scheme
Technologies	Linux, GCP, Docker, Kubernetes, Node.js, MongoDB, Bootstrap, GitHub, Jmeter, Agile

Education

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

Course Work	Functional Programming, Algorithm Design and Data Abstraction, Object-Oriented Programming
Coursera	Python Data Structures, Programming for Everybody, Learning How to Learn
Udemy	Complete Python Bootcamp, The Web Developer Bootcamp

Experience

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

Virtual-Q, NCR Global Hackathon; 3rd place — 2020

- Led a team of 5 to make an app that allows for virtual queuing at restaurants, placing 3rd.
- Created a demo in cohesion with my team 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 the 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.

Value-Med, University of Ottawa Hackathon; 2nd place — 2020

- Led a team of 4 to make an app that addressed corruption in India's medical industry, placing 2nd.
- Created a demo in cohesion my team using Swift, Xcode, Figma, Illustrator and Photoshop.

Extracurriculars

Volunteer, Rotary Club of Gravenhurst and Trinity United Church — Aug 2020 - Present

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

Executive, UWaterloo Right to Play Club — Sep 2020 - Present

- Networked with over 15 clubs, organizations and businesses to promote monthly club events for students.

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.

Interests

Basketball, Badminton, Weightlifting, Gaming, Music, Podcasts, Meditation