

KRISHNA PATEL

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EDUCATION

BASc in Computer Engineering (Co-op), University of Waterloo Expected 2027
Recipient of the Schulich Leader Scholarship given to students who demonstrate entrepreneurial spirit and innovation in STEM. (\$100,000)

SKILLS

Languages: C++, Python, MySQL, C#, JavaScript, HTML, CSS
Tools: Git, GitHub, Docker, Figma, Jira, Confluence
Frameworks: ReactJS, Bootstrap, Tailwind.CSS,

EXPERIENCE

Data Engineering Intern Feb 2023 - Present
DesignBot Montreal, QC

- Designed and programmed a containerized data pipeline that serializes, deserializes and manipulates SVG files using **C++** and **Docker**.
- Utilized **test driven development (TDD)** and **CTest** to implement **26** unit tests resulting in **90% code coverage** and reduced errors.
- Worked in an **Agile Scrum** development environment to deliver high-quality results in a timely manner.

Web Developer Jan 2023 - April 2023
University of Waterloo, Center for Work Integrated Learning Waterloo, ON

- Developed **35+** webpages utilizing **HTML, CSS, Bootstrap** and **JavaScript** for professional development courses which increased interactivity and engagement for **1000+** students.
- Led end-to-end design for course components by using **Figma** to create visually appealing prototypes, then converting them into successful web components that meet **WCAG 2.1** requirements.
- Organized wellness activities for **31 co-op students** as an executive member on the wellness team to reduce workplace stress.

Computer Engineering Research Intern July 2021 - August 2021
University of Alberta Edmonton, AB

- Programmed a plasma physics calculator with **Python** that organizes over **125+** **plasma formulas** that can be used to easily convert or calculate values.
- Gained a thorough understanding of **Object Oriented Programming** and **published a research paper** outlining the procedures and methods used for the program to the Education and Research Archive. 🌐

PROJECTS

TimeDiscard — Chrome API, ReactJS, TailwindCSS, Node.js, Framer.Motion 🌐

- Built a Chrome extension that tracks the time users spend on a certain site using **Chrome API** and **Node.js** and displays productivity stats based on this data.
- Also features a to-do list, random quote generator, and pomodoro timer made with **ReactJS**.
- Received **third place overall at the Lighthouse Hackathon** out of 45 teams.

BookLib — Flask, MySQL, Google Books API, HTML, CSS, 🌐

- Created a web application that uses **Flask** and integrated a **relational database** with **MySQL** to organize user book ratings, current reads, and future reads.
- Created **REST API's** that work with **Google Books API** to allow users to search for any books on the web.