

# HAPPY PATEL

## Software Developer, BCS/BBA at University of Waterloo and Wilfrid Laurier University

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I am a seasoned software developer with expertise in multiple programming languages, including C++, JavaScript, and proficiency in web development with HTML/CSS and React.js. I am dedicated to leveraging modern development practices to ensure the delivery of high-quality software products. With a strong track record of successfully contributing to projects from conception to completion, I am eager to apply my skills to drive innovation and excellence in software development projects.

## EXPERIENCE

### Software Developer Co-op



#### Magnet Forensics Inc.

 January 2023 – April 2023  Waterloo, Ontario

- Worked with Magnet Automate team for AWS cloud integration project. Developed a set of 8 custom CLI commands alongside cloud engineers.
- Leveraged multiple remote AWS EC2 instances to conduct testing on CLI commands and achieved 100% test pass rate.
- Utilized Jira for task management and completed approximately 5 tickets a month. Cumulatively carried out code merges for 22 tickets using Azure DevOps and Git.
- Performed E2E testing using Cypress for all tickets and conducted manual BVT testing for 2 major releases with Jenkins facilitating automation.

### Software Development in Test Intern



#### Gao Tek Inc.

 July 2022 – August 2022  Remote

- Wrote 50+ unit tests using Google's C++ testing framework resulting in a 25% improvement in code coverage and 20% reduction in software defects for the embedded system.
- Assisted testers to create a test plan for 2 product releases and wrote testing documentation.

### Product Management Intern

#### Noomi

 January 2022 – March 2022  Remote

- Evaluated user experience by conducting over 50 user interviews.
- Conducted market research to evaluate 3 growth opportunities within social media industry to drive company's strategic direction.
- Supported executives to create a feature prioritization strategy based on user feedback, resulting in a 15% increase in consumer satisfaction.

## EDUCATION


### Bachelor of Computer Science (Co-Op)

#### University of Waterloo

 September 2021 – August 2026

### Bachelor of Business Administration (Co-Op)

#### Wilfrid Laurier University

 September 2021 – August 2026

## SKILLS

**Languages:** C++, Bash, JavaScript, HTML/CSS, Python, R, Java, Clojure, C#

**Frameworks:** React.js, Google Tests, Axios


**Tools:** Jenkins, Git, Microsoft Office, Azure DevOps, Linux, MySQL, Cypress, Jira, Trello

**Non-Technical:** Competitive Market Research, Conducting Consumer Interviews

## CERTIFICATIONS


### Udemy

#### Web Development Bootcamp

 January 2023


### Google

#### Introduction to Generative AI

 August 2023

### JP Morgan Chase


#### Software Engineering Virtual Experience Program

 January 2023

## PROJECTS

### Chess Game


#### C++, Object-Oriented Programming

 June 2022

- Utilized OOP design patterns, such as inheritance and encapsulation to integrate several modes including player vs. player and player vs. computer.
- Implemented GUI for user-friendly interface

### Mood Switch

#### React.js, NodeJS, MySQL, Axios

 May 2022

- Designed a web app that allows users to set their mental wellness goals, engage in activities to achieve their targets, and track their progress.
- App enables each user to create their profile and the supports user authentication.