Ruchi Patel

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EDUCATION

Ryerson University, Toronto, Canada   Expected: Sept, 2022

Bachelor of Science, Mathematics and Computer Science   *Cumulative GPA: 3.38*

Relevant Coursework: Data Structures, Algorithms, Operating Systems, Graph Theory, Probability and Statistics I/II, Computer Science I/II

PROFESSIONAL EXPERIENCE

Microsoft Corporation, Redmond, WA   May 2021 – Aug 2021

Software Engineer Intern, Customer Care Applications: Dynamics 365

- Developed an API for implementing 50+ customizations to enhance the user interface for ~50,000 OmniChannel users by manipulating the DOM and iframe
- Developed ~100 unit and automated test cases using Jasmin, Karma and playwright to increase the reliability of customizations by 30%
- Optimized API Management support for customizations to be backwards compatible with existing SDK delivery method
- Technology: JavaScript, React, TypeScript, HTML, CSS, Azure Service Fabric, Git

Microsoft Corporation, Redmond, WA   May 2020 – Aug 2020

Software Engineer Intern and Program Manager Intern

- Developed a voice and video calling feature using Machine Learning technologies to bridge OmniChannel and Microsoft Teams for increasing productivity of ~25,000 users
- Created project specs, test cases, user stories, feature documentation and product research data as a PM
- Improved data retravel and configuration retrieval process by 23% by developing an API calling application using C#
- Technology: C#, TypeScript, React, HTML, CSS, Azure Service Bus, Git

Instacart, Toronto, Canada   April 2019 – Aug 2019

Software Engineer, Test

- Designed and developed Python application to automate QA testing suite by collaborating with PM and engineers
- Technology: Python, HTML, CSS, SeleniumLibrary, RobotFrameWork, Jenkins, Git, JIRA

PROJECTS

Physical "Candy Crush"

- Built a physical version of the additive mobile game "Candy Crush" by using LED Matrix and joystick
- Technology: C++, Python, Omega2 board, Arduino Uno board

What Not To Wear

- During Microsoft Annual Hackathon, participated in building a Microsoft Edge plug-in extension to show the sustainability score of an organization
- Contributed into the project by rendering the data from credible sources into the extension
- Technology: Node.js, Javascript, C#, HTML, CSS

LEADERSHIP & AFFILIATIONS

Rewriting the Code   Sept 2019 –Present

Fellow, High School Bridge Mentor

Women in Mathematics – Ryerson University   May 2020 –Present

VP of Events and Marketing

SKILLS & INTERESTS

Language: Java, Python, JavaScript, TypeScript, React, C#, C++, HTML, CSS, TypeScript

Interests: Program/Project Management, Software Development