Mansi Patel

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EDUCATION

University of Toronto   Graduating June 2024
Major: Computer Engineering
Awards: University of Toronto MIE Undergraduate Summer Research Award, Dean's List, Loblaws National Scholarship
Relevant Courses: Algorithms and Data Structures, Probability, Computer Networks, Intro to Databases, Programming Fundamentals, Computer Organization, Software Communication and Design, Digital Electronics

WORK EXPERIENCE

Microsoft   May 2023 – August 2023
Software Engineering Intern   *Redmond, WA*
- Implemented throttling in the Azure datacenter gateway to optimize request management using **C#**, **.NET**, and **OWIN**
- Wrote comprehensive unit test suites using **C#** and **PowerShell** for an internal datacenter management tool

                                                                                                   May 2022 – August 2022
Explorer Intern (Software Engineer + Product Manager)   *Bellevue, WA*
- Launched a new product type within the automotive segment under Bing Vertical Ads for motor vehicles, and expanded it to go live in market to 3 different regions globally
- Used **C#** and **SQL** to improve data mining and query sets for the motor vehicles segment improving side-bar page ad display percentages by **95.7%**

Trelent   May 2021 – August 2021
Software Developer Intern   *Remote*
- Developed the front-end of a client dashboard using **ReactJS**, **HTML**, and **CSS**
- Designed a fully responsive mockup of a client login portal using feedback from current users in a team using Figma
- Upgraded the current login portal for users by improving the UI and adding authentication

University of Toronto Humans Factors and Applied Statistics Lab   May 2021 – August 2021
Undergraduate Research Assistant   *Toronto, ON*
- Screened articles and extracted data for a scoping review on visual attention in automated driving, assisting with data reduction and analysis
- Used **Python** (NumPy, pandas) to perform calculations on datasets for statistical analysis, saving lead researcher time
- Assisted with questionnaire development/piloting, video transcription, and coding of participant data

PROJECTS

Research Article Summarizer (HTML/CSS, JavaScript)   July 2021
- A chrome extension that gives researchers and students a brief overview of articles hosted on Elsevier
- Built independently during my time as a research assistant to speed up the article screening process for scoping reviews

TECHNICAL SKILLS

Main skills: C#, Python, C, C++, SQL, HTML, CSS, JavaScript, Assembly, PowerShell

Technologies/Frameworks: .NET, OWIN, React, Git, Azure

LEADERSHIP / EXTRACURRICULAR

University of Toronto Women in Science and Engineering | *Social Media Director*   June 2021 - Present
- Managing marketing campaigns for the larger WISE team in collaboration with 3 portfolio marketing directors
- Creating connections with other WISE chapters and organizations to boost online presence
- Maintaining consistent social media promotion across all platforms (Instagram, Medium, Twitter, LinkedIn)

Affiliations/Clubs: Rewriting the Code, Women in Science and Engineering, Engineers Without Borders