

Harsh Patel

Email: hpate45@gmail.com

Tel: (905)-802-0392

LinkedIn: www.linkedin.com/in/harsh-patel1

Education

Western University

September 2016 – Present

Bachelor of Engineering Science, *Software Engineering*

Work Experience

Deloitte – Business Technology Analyst, Tech Consulting

May 2018 – August 2018

- *Leading Canadian Call Center*, developed live video streaming services in replacement of traditional phone services through a platform agnostic web video chat application to improve customer experience. Achieved using Python, Vanilla JS, WebRTC, Google Firebase and Flask
- *Insurance Claims Assistant*, developed an application to make auto and home claims process more efficient through computer vision and deep learning which sold to a Top 5 Canadian Insurance Company for \$5 million. Achieved using Google Tensorflow, OpenCV, WebRTC, Google Firebase, Vanilla JS, Google Firebase, Node JS
- *Internal Retail Application*, developed an application to provide retailers with thorough insights about customer demographics and satisfaction on a local, provincial and national scale using artificial intelligence and computer vision. Achieved using Amazon Web Services, GraphQL, OpenCV, Vanilla JS, Google Firebase, Python, RaspberryPi

Deloitte – Business Technology Analyst, Omnia AI

May 2019 – August 2019

- *Health Care Bid*, performed an RFI (Request for Information) by gathering requirements, developing system architecture, displaying vendor relationships and developing a project plan
- *Health Care Project*, developed testing reports, completed user and system testing, worked with the client to understand system requirements through multiple project iterations while working in an Agile environment
- *E-Sports Proof of Concept*, acting as Project Manager by overseeing project development and organizing tasks, developed an application to allow content creators to create a highlight reel of gameplay by uploading content to a dashboard using machine learning and computer vision. Achieved using OpenCV, Python, JavaScript, HTML5, CSS. AWS

Projects

When We Listen – Awarded Best Machine Learning Hack at Hack Western 4

- Addressed the topic of Mental Health by developing a web application which integrated sentimental analysis to calculate an individual's mental state based on their interactions on Twitter. Achieved using Indico API, Microsoft Azure's Text Analytics API, Twitter API

Skills

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- **Programming Languages:** Python, JavaScript, C++, C#, Java, HTML/CSS3
 - **Libraries and Frameworks:** jQuery, NodeJS, GraphQL, OpenCV, Tensorflow, Express
 - **Platforms:** Amazon Web Services, Firebase, Heroku, Docker, GCP