

SUNNY BHATT

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EDUCATION

McMaster University

Hamilton, ON

CANDIDATE FOR B.A.Sc IN COMPUTER SCIENCE

2018 - 2022

- **GPA: 3.95 / 4.0**
- Relevant courses: *Discrete Mathematics, Data Structures and Algorithms, Principles of Programming, CS Practice & Experience*
- Web developer on the McMaster Hyperloop Team

EXPERIENCE

Software Engineer Intern

Toronto, ON

ROYALTYMINE

May 2019 - Aug 2019

- Built end-to-end functionality for handling user-generated audio content by developing a streaming API as well as an audio upload and processing pipeline to trim, watermark, and save music files to GCP cloud storage
- Used React to design responsive, mobile-first web pages such as a content discovery page and user dashboard
- Implemented an efficient data-ingestion utility using Node.js and MongoDB to build an ETL pipeline for processing royalty revenue
- Optimized search by implementing a debounce function for live results, reducing search API requests by 55%

Software Developer Co-op

Hamilton, ON

POPULATION HEALTH RESEARCH INSTITUTE

Mar 2018 - Aug 2018

- Maintained enterprise clinical trial management software using C# and the ASP.NET MVC framework
- Redesigned the user portal and dashboard with intuitive multi-step forms to improve user flow
- Designed a modern landing page for the company's flagship product

PROJECTS

CP Cheats

VIRTUAL WORLD TOOLS - 200,000 registered users

Jan 2014 - Jan 2018

- Reverse-engineered a popular multiplayer game to develop a third-party client, interfaced by a collection of web applications allowing users to connect to and manipulate their player accounts, earning \$31,000 in revenue
- Built a user management system for a large-scale rewards platform, handling earnings and purchases with virtual currency
- Implemented a custom CMS using PHP and MySQL for blog posts, comments, and web pages

Two-Player Trivia

MULTIPLAYER TRIVIA GAME

May 2019

- Built an two-player online trivia game using Django and Python
- Designed a robust internal API used by a dynamic front-end for live matchmaking and gameplay

FuelPlan

CHROME EXTENSION FOR GOOGLE MAPS

Nov 2018

- Developed a Chrome extension that displays a calculated trip cost for route options when searching for directions on Google Maps
- Made use of a RESTful API to access a database of vehicles makes, models, and their fuel economies

SKILLS

Languages: Java, Python, JavaScript, SQL, PHP, HTML, CSS

Frameworks and Libraries: Node.js, React, Express, Django, Bootstrap, jQuery, ASP.NET MVC

Tools and Databases: MongoDB, MySQL, Git, GCP