

Isha Sharma

Experienced in front-end web development and machine learning.

Interested in summer 2021 internships.

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EDUCATION

University of Toronto

2019 - 2023

Hon. B.Sc. - Double major in Cell and Molecular Biology and Cognitive Science, with a minor in Computer Science

Relevant Courses (2020-2021): Software Design (Java), Software Tools and Systems Programming (C), Computer Organization (Verilog)

SKILLS

Programming Languages: Python (Intermediate), HTML/CSS/JavaScript (Intermediate), Java (Beginner)

Libraries/Frameworks: Pandas, Numpy, Bootstrap, jQuery, Node, Express, MongoDB, PyTorch, GPT2

Tools/Platforms: GitHub, Command Line, Figma, PyMol

EXPERIENCE

Dry Lab Researcher + Web Developer - [iGEM Toronto](#)

Apr. 2020 - Present

- Created a machine learning model, using [Python](#), [GPT2](#), [PyTorch](#), [Pandas](#), and [Numpy](#), that generates inhibitors for proteins, in order to develop therapeutics for COVID-19
- Re-designing organization's website, using front-end tools, i.e. [HTML/CSS/JavaScript](#)

Nursing Internship - [Hoag Orthopedic Institute, Irvine, CA, USA](#)

Sept. 2018 - Dec. 2018

- Provided post-operative care, such as monitoring vital signs, assisting in physical activity, comfort care, etc., to aid patients in recovery from surgery
- Learned to communicate clearly and effectively with medical professionals and patients

LearnAI Logistics Lead - [University of Toronto Artificial Intelligence Group](#)

Apr. 2020 - Present

- Organizing the implementation, i.e. mode of delivery, reviewing applications, hiring TAs, etc., of a machine learning (ML) curriculum targeted to foster undergraduate interest in ML at an earlier stage in their university careers
- Working on outreach to other technical clubs for joint club projects

Marketing Associate - [IEEE UofT](#)

Apr. 2020 - Present

- Designing and posting graphics on social media to promote workshops, hackathons, and networking events to provide professional development to undergraduate students
- Increased engagement rate of posts on Facebook page by 12%

PROJECTS

Vision Checker - MedHacks 2020

- Developed the front-end of a website that provides virtual eye exams for patients to ensure quality care during the COVID-19 pandemic, using [HTML/CSS/JavaScript](#), [Bootstrap](#), and [Google Cloud](#)
- [Winner of the Google COVID-19 Hackathon Fund](#)

Euphoric Lyric - Hack the 6ix 2020

- Utilized [Python](#), [Keras](#), [Numpy](#), [TensorFlow](#), and [audio2numpy](#) to create a ML model that can generate lyrics for any audio sample with corresponding timestamps

YelpCamp - Udemy Web Development Course

- Created the front-end and back-end of a website that allows users to write reviews for campgrounds, using [HTML/CSS/JavaScript](#), [jQuery](#), [Node](#), [Express](#), [MongoDB](#), and more