

PRIYANSHI PATEL

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SKILLS

Python, C++, Data Structures & Algorithms, HTML & CSS, JavaScript (ES6+), React, Node, Git

EDUCATION

University of Toronto – Class of 2022

September 2018 - Present

BASc in Computer Engineering – Artificial Intelligence Minor

Relevant Courses: *Algorithms and Data Structures (CSC190), Programming Fundamentals (ECE244), Software Communication and Design (ECE244), Computer Organization (ECE243)*

WORK EXPERIENCE

Fetch | Hospitality Technology Startup – Toronto, ON

July 2019 – September 2019

Software Development Intern

- Independently architected a customer relationship management (CRM) system using Meteor.js and Node.
- Developed a responsive database for the CRM system using MongoDB.

PROJECTS

View the live versions of the projects below at priyanshi.github.io/portfolio/.

3D Vector Field Visualizer – Personal

July 2020

- Implemented a 3D vector field visualizer using HTML, CSS, and p5.js.

Binary Search tree Visualizer – Personal

April 2020 – July 2020

- Developed a React application to visualize binary search tree node insertions and deletions.
- Provided depth first traversals for each binary search tree.

Photostorming | Mapping Application – University Course

January 2020 – April 2020

- Programmed a mapping application inspired by Google Maps in a team of 3 using C++ and GTK3.
- Implemented A* pathfinding algorithm to provide best travel route between points.
- Optimized a courier delivery algorithm for a courier company driver with multiple deliveries.

Grapher | VGA Graphing Calculator – University Course

March 2020

- Implemented a graphing calculator in a team of 2 that runs on DE1-SoC board using C.
- Successfully polled I/O devices to get user input and display program on the VGA screen.

ReRoute | Notification System – University Engineering Design Course

January 2019 – June 2019

- Designed a notification system for personal support workers (PSWs) at nursing homes for wandering patients with dementia.
- Communicated with Fairview Nursing Home to get stakeholder input.
- Presented system at Schlegel Village's Innovation Summit for industry professionals.