

AARYA PATEL

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EDUCATION

UNIVERSITY OF TORONTO

Bachelor of Honours Computer Science Specialist
September 2019 – Present

RELEVANT COURSEWORK

Software Design (Java), Intro to Computer Science (Python), Reasoning for Computer Science

SKILLS

PROGRAMMING

CSS • HTML • JavaScript • Java • Python • C

TECHNOLOGIES

Git • Node.js • Express.js • React.js • NPM • SQL • PIP • Eclipse • JSON • NetBeans • Sublime Text • Visual Studio • Postman

COMPETITIONS

Canadian Computing Competition
ECOO Computing Competition
Euclid Math Competition
Senior Math Competition

PROJECTS

RAPSTRACK | WEB APPLICATION

- » Developed a web application that keeps track of the Toronto Raptors' game analytics by using **HTML**, **CSS**, **JavaScript**.
- » Utilized **Node.js** and **Express.js** to serve pages and run **Python Scripts**.
- » Integrated a backend web-scraper written in **Python** by using **BeautifulSoup** and **Requests** to scrape **JSON** data.

CALENDAR | JAVA APPLICATION

- » Created a Calendar App using **Java** and implemented various **software design patterns** to allow for extensibility.
- » Integrated **MySQL** to allow for multiple users to login and store user information in the database.
- » Implemented constant time checks by using **multithreading** to read and update system time.

TO-DO APP | REACT APPLICATION

- » Designed a **React** app where users can add, favourite, delete and filter tasks.
- » Persisted user data by caching state information as **JSON** in **local storage**.

NASA APOD | REACT APPLICATION

- » Built a **React** Web App that allows users to search pictures from the NASA **API** by sending requests to the API using **fetch**.
- » Used state alongside **async/await** to handle API requests and update components accordingly.

EXPERIENCE

BAPS INC. | YOUTH COORDINATOR

Sept 2018 – Present | Toronto, ON

- » Enhanced the experience with youths by adhering to syllabus matrices and performing **administrative** duties entailing planning by attending weekly meetings.
- » Improved the overall design of the program by collaborating with peers to brainstorm **creative** solutions to ambiguities.

CANADA'S WONDERLAND | LIFEGUARD

Mar 2018 – Aug 2018 | Vaughan, ON

- » Followed policy procedures to ensure utmost safety by working alongside crew members to **efficiently** perform maintenance tests of equipment and monitor performance.

WEST HUMBER CI PROGRAMMING CLUB | FOUNDER

Sept 2017 – June 2019 | Toronto, ON

- » Coordinated with teachers and execs to create a meaningful syllabus filled with computing and engineering related topics.
- » Fostering student growth by teaching coding fundamentals through languages like **Java** and **Python**.