TEJASH PATEL

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EDUCATION

Carleton University   Ottawa, ON (2018–2023)
- Bachelor of Software Engineering, Co-op option
- Programming Coursework: Algorithms & Data Structures, OOP Software Development, Software Design, Database Management, Computer Organization & Architecture, Real-time Systems
- Honors: Dean's Honours List | Cummulative Average: 11.78/12.00 (A+)

WORK EXPERIENCE

National Research Council of Canada
Web Application Developer Co-op   Ottawa, ON (May. 2020 - Aug. 2020)
- Developed real time data visualization dashboards for clients using D3.js, jQuery, interactive SVG to display building energy consumption data
- Designed energy dashboard with a neat user interface helping building managers to analyze and optimize production costs as well as to increase the overall profitability in the long-run
- Employed the use of data structures in Java and JavaScript to reduce repetitive code and increase scalability of algorithms by at least 15%

Carleton University
Teaching Assistant   Ottawa, ON (Jan. 2020 - Apr. 2020)
- Helped students understand and master object oriented programming (Java) and software development concepts during multiple weekly lab sessions
- Hosted assignment workshops, office hours and grade assignment with a great attention to detail in a timely manner so assignments can be returned to students promptly

PROJECTS

Web Developer - cuHacking ⧉   (Feb. 2019 - Present)
- Collaborated with a team of six developers to create a suite of online services that was used to augment hacker experience for 600 hackers at cuHacking 2020
- Developed the website including the blog page for the cuHacking community using Typescript, React, andGhost API

JAGT Move - uOttaHack 2020 ⧉   (Feb. 2020)
- Utilized TensorFlow Lite Posenet model in web application to create a metrics of key body joints of the user
- Created a NodeJS backend to retrieve the metrics, process it and provide the error of each body part to the website for visual presentation

Oshawa Payday Loans   (May. 2019 - Aug. 2019)
- Created a loan management web platform for a local business to manage loans and generate reports
- Implemented application using both front-end and back-end tools and technologies – HTML, CSS, Bootstrap, JavaScript, NodeJS, ExpressJS, and mongoDB
- Deployed the full stack web application software to handle more than 500 customers and manage their loans

LEADERSHIP

Publications Committee Chair - IEEE Ottawa Section   (Jul. 2020 - Present)
- Coordinated the publications team to strategically and efficiently manage the social medias and website of the section

Consulting Director - Carleton Engineering Competition   (Aug. 2019 - Oct. 2019)
- Directed consulting competition at Carleton, designing an unique and challenging problem statement and delegating tasks to volunteers which resulted in a smooth running competition

SKILLS AND INTERESTS

Technical Skills Java, JavaScript, C, TypeScript, Git, Unix/Linux
Frameworks   (Frontend): React, jQuery, D3.js, Bootstrap (Backend): Express, NodeJS, Hibernate
Interests   Algorithms, Data Structures, Web Development, Web Design, APIs, Database