

# Jayant Mehta

University of Waterloo | Systems Design Engineering  
Schulich Leader Scholarship Award | SHAD Fellow

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## SKILLS

**Development** Java, C++, JavaScript (Vue.js), Python, HTML/CSS, Git, Arduino IDE, SQL, MATLAB

**Tools** SolidWorks, API's, Routing, Node Modules, Webpack, UI Development

## ACHIEVEMENTS

**Schulich Leader National Scholarship | University of Toronto Engineering Science** Apr. 2019

- 25 \$100,000 Engineering scholarships are awarded annually across top Canadian universities
- Excelled academically with a 99.66% average, demonstrated innovative thinking, and passion for STEM

**SHAD Fellow** Jul. 2018 – Present

- Prototyped an app to efficiently deliver human essentials during natural disasters

## RELEVANT EXPERIENCE

**Web Developer | Design Net Specific** Jul. 2019 – Aug. 2019

- Developed a website using JavaScript (Vue.js), HTML, and CSS to adhere to responsive design
- Increased public presence by emphasizing a user-friendly interface

**Computer and Software Intern | Carte Wealth Management Inc.** Jun. 2017 – Jul. 2017

- Designed a mobile app for Carte's Annual Conference for over 100 financial advisors
- Analyzed trends to conduct a SWOT analysis and brainstormed ideas with the team

**Judging Panel Coordinator | Hack the North** Sep. 2019

- Coordinated hackathon judging event and delivered communication from organizers

**Conference Coordinator | Professional Engineers of Ontario** Mar. 2016 – Mar. 2019

- Directed STEM team to plan a design challenge for the National Engineering Month conference

## PROJECTS

**Artificial Intelligence Mobile App for Workouts** Feb. 2019 – Present

- Prototyped a machine learning app to study patterns and suggest optimized workouts
- National Finalist in Medical Innovation by HOSA Canada

**Air Quality Analyzer Webapp | JavaScript (Vue.js), HTML, CSS** Jun. 2019 – Sep. 2019

- Developed a Vue.js analyzer that uses an API to compare and compute air qualities
- Implemented node modules, routing, forms, methods, and components

**Biometrics Bicycle Lock | Arduino IDE** Aug. 2017 – Feb. 2018

- Programmed a microcontroller (Arduino), fingerprint sensor, integrated alarm, and mobile app
- Provincial Finalist in Innovation by DECA Ontario

**Mathematical Game | Java** Dec. 2018 – Jun. 2019

- Developed a Java application using object-oriented programming, data structures, and algorithms

## EDUCATION

**Systems Design Engineering | University of Waterloo** Sep. 2019 – Apr. 2024  
President's Scholarship of Distinction

**Bishop Reding Catholic Secondary School | Advanced Placement Student** Sep. 2015 – Jun. 2019  
Information Communications Technology Specialist High Skills Major program  
99.66% Average | 2<sup>nd</sup> Highest Average Award | Advanced Placement Calculus AB Score: 5