

# Jayant Mehta

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

j7mehta@edu.uwaterloo.ca  
(647) 518-5819  
in/jayant-mehta  
github.com/JayantMehta1  
jayantmehta.ca



## SKILLS

**Development** C++, Java, Python, JavaScript, Ruby, Node.js, Vue.js, Arduino, SQL, HTML, CSS, Linux  
**Tools** Git, Jira, RESTful APIs, Agile/Scrum, Google Cloud Platform, Visual Studio, Ruby on Rails  
**About Me** Analytical Thinker, Team player, Quick Learner, Adaptable, Excellent Communication

## EXPERIENCE

- IT Developer | Canada Revenue Agency Headquarters** (Ottawa, ON) Jan 2020 – Present
- Developed case features in Java released to over 15, 000 nation-wide active users via Scrum/Agile
  - Implemented algorithmic sorting in tree nodes for 500+ database cases and used Git for version control
  - Investigated 4 security conditions that challenge unauthorized access to cases and solved Jira tickets
  - Automated commit functionality to the back-end IBM FileNet server for electronic documents
- Web Developer | Design Net Specific** (Mississauga, ON) Jul 2019 – Aug 2019
- Developed a website using JavaScript (Vue.js), HTML/DOM, and CSS to adhere to responsive design
  - Accelerated development process by 50% through efficient use of software design and data structures
- Computer Software Intern | Carte Wealth Management Inc.** (Mississauga, ON) Jun 2017 – Jul 2017
- Designed a mobile app using BuildFire for over 100 financial advisors and conducted a SWOT analysis
- Judging Panel Coordinator | Hack the North** (Waterloo, ON) Sep 2019
- Coordinated a 1500+ member hackathon judging event and delivered communication from organizers
- Conference Coordinator | Professional Engineers of Ontario** (Oakville, ON) Mar 2016 – Mar 2019
- Led 30 STEM instructors to plan a vehicle design challenge for National Engineering Month

## PROJECTS

- Facebook AI Hackathon | Google Cloud Vision API, Python, PyTorch** Feb 2020 – March 2020
- Processed image text with Google Vision API and PyTorch to match interests in Facebook Groups API
  - Developed neural networks to send group admins a request for relevant ads to be posted
- Air Quality Analyzer Webapp | JavaScript, Vue.js, Node.js, HTML, CSS** Jun 2019 – Sep 2019
- Built a Vue.js analyzer that manipulates live RESTful API data to compare and compute air qualities
- Angular Motion Mathematical Game | Java** Dec 2018 – Jun 2019
- Developed a game in Java using object-oriented programming, data structures, and algorithms
- Artificial Intelligence Workouts App | National Finalist** (Medical Innovation, HOSA Canada) Feb 2019
- Wireframed a machine learning app to study patterns and suggest optimized workouts
- Biometrics Bicycle Lock | Provincial Finalist** (Innovation, DECA Ontario) Aug 2017 – Feb 2018
- Programmed a microcontroller (Arduino), fingerprint sensor, and alarm to increase bicycle security

## 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

## EDUCATION

**University of Waterloo | Systems Design Engineering** Sep 2019 – Apr 2024  
Ranked in Top 25% of the Class | President's Scholarship of Distinction | Engineering Design Methodology