

# Jayant Mehta

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

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## SKILLS

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

## EXPERIENCE

**IT Full Stack Developer** | Canada Revenue Agency Headquarters Ottawa, ON | Jan – Apr 2020

- Developed application features in Java released to **over 15,000** nationwide users via Scrum/Agile
- Implemented algorithmic sorting in 20+ tree node types, wrote JUnit tests, and utilized Git to track work
- Investigated 10+ security vulnerabilities using SQL in databases to restrict unauthorized access to cases
- Built a vertical slice for a microservice and automated data uploading to the backend IBM FileNet server

**Microsoft Student Partner** Waterloo, ON | Apr 2020 – Present

- Trained over 15 developers to implement Azure cloud technologies for software development

**Web Developer** | Design Net Specific Mississauga, ON | Jul – Aug 2019

- Developed a website using JavaScript, Vue.js, HTML, and CSS to adhere to responsive design
- Accelerated development process by **over 50%** by designing reusable components and objects

**Computer Software Intern** | Carte Wealth Management Mississauga, ON | Jun – Jul 2017

- Designed a mobile app in 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


**Conference Coordinator** | Professional Engineers of Ontario Oakville, ON | Mar 2019

- Led 30 STEM instructors to plan a vehicle design challenge for National Engineering Month


## PROJECTS

**Facebook AI Hackathon** | Google Cloud, Python, React.js, Flask, Azure, Docker  Mar 2020

- Processed image text with Google Vision API and PyTorch to match interests in Facebook Groups API
- Deployed Python machine learning neural networks to post on groups using Azure, React.js and JSON

**Air Quality Analyzer Webapp** | JavaScript, Node.js, HTML, CSS  Aug 2019

- Built a Vue.js analyzer that manipulates live RESTful API data to compare and compute air qualities

**Angular Motion Mathematical Game** | Java  Jun 2019

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


**Artificial Intelligence Workouts App | National Finalist** in HOSA Medical Innovation Feb 2019

- Wireframed a UI/UX machine learning app to study patterns and suggest optimized workouts

**Biometrics Bicycle Lock | Provincial Finalist** in DECA Innovation  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

- Awarded prestigious \$100,000 Engineering scholarship given to only **25 students in Canada**
- Excelled academically with a **99.66%** average

## EDUCATION

**University of Waterloo** | Systems Design Engineering Sep 2019 – Apr 2024  
Ranked in **Top 25%** of the Class | C++ Data Structures and Algorithms | President's Scholarship of Distinction