

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, Flask, Ruby, Vue.js, SQL, HTML, CSS, Django

Tools: Git, Jira, RESTful APIs, Agile/Scrum, Google Cloud, Microsoft Azure, Linux, Ruby on Rails, PostgreSQL

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