

# Jayant Mehta

Systems Design Engineering | University of Waterloo | 3.9 GPA  
2<sup>nd</sup> Year Student | Schulich Leader National Award | SHAD Fellow

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## EDUCATION

**University of Waterloo** | Systems Design Engineering (BASc) | **3.9 GPA** Sep 2019 – Apr 2024  
**Top 25%** in Class, Hack the North Coordinator, Engineering Ambassador, Microsoft Learn Ambassador  
Coursework: **C++** Data Structures and Algorithms (93%), C++ Digital Computation, Human Factors in Design

## SKILLS

**Development:** C++, Java, Python, JavaScript, React.js, Node.js, Express.js, Vue.js, Ruby, SQL, HTML, CSS  
**Tools:** Git, Jira, Flask, Django, Google Cloud, Microsoft Azure, Linux, Ruby on Rails, PostgreSQL, MongoDB  
**About Me:** Adaptable, Curious, Quick Learner, Analytical Thinker, Excellent Communicator, Team player, Entrepreneurial

## EXPERIENCE

**Oracle Corporation** | Software Developer and SDET Intern Kitchener, ON | Sep 2020 – Present

- Analyzed tax rate changes for the United States to build backend software for medium sized businesses in **Java**
- Configured **Scrumbox VMs** and endpoints to solve NetSuite issues that impact over **40,000** organizations

**Canada Revenue Agency** | IT Full Stack Developer 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

**Design Net Specific** | Web Developer 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

**Carte Wealth Management Inc.** | Computer Software Intern Mississauga, ON | Jul – Aug 2017

- Designed a mobile app in BuildFire for over **100 financial advisors** and conducted a SWOT analysis

## LEADERSHIP

**Microsoft** | Student Learn Ambassador Program Kitchener, ON | Apr 2020 – Present

- Spearheaded an Azure AI chatbot tutorial for over **15 developers** to impact **thousands** of Facebook business pages
- Built a **MERN** stack blog and tutorials learning platform using Ruby on Rails, React.js, and a PostgreSQL database

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

- Led **30 STEM** instructors in a vehicle design challenge and presented to **60 students** for National Engineering Month

## PROJECTS

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

- Classified image text with **Google Vision** and PyTorch to **predict ad matches** in Facebook Groups API
- Validated users access tokens as JSON with Facebook Login API and cookies to post to groups at **93% accuracy**
- Deployed Flask and React.js Azure web app for evaluating training of **Python** machine learning neural networks

**Sentiment Analysis Tweeter API** | Python, Flask, Azure, Django, Docker 🐳 Aug 2020

- Developed an API in **Python** where users can log in and tweet their thoughts with sentiment analysis
- Deployed using **Azure DevOps** to automate deployments with CI/CD implementation and PostgreSQL database

**Air Quality Analyzer Web App** | JavaScript, Node.js, Vue.js, HTML, CSS 🐳 Aug 2019

- Built a Vue.js analyzer that manipulates live RESTful API data to compare and compute data for **thousands of cities**

**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 an embedded biometrics bicycle security alarm with **C++**, Arduino, and fingerprint sensor

## ACHIVEMENTS

**Schulich Leader National Scholarship** | University of Toronto Engineering Science Apr 2019  
**99.6%** Average | Awarded prestigious \$100,000 Engineering scholarship given to only **25 students in Canada**