JAEDON VISVA

CONTACT

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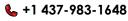
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TECHNICAL SKILLS

Python, HTML, CSS, JavaScript, GitHub, Node.js, React, DevOps, Containers, Docker, Kubernetes, Databases, SQL, Django ORM, Bootstrap, Microservices and Serverless computing

AWARDS & RECOGNITION

ACT Standardized Test Composite Score 33 out of 36 - 98th percentile (2023)

Duke of Edinburgh–Bronze Award (2023)

National Lifeguard, Lifesaving Society (2023)

Emergency and Standard First Aid, Lifesaving Society, City of Toronto

Bronze Cross, Lifesaving Society, City of Toronto

Certificate of Distinction (top 11%) – OAPT **Physics Competition** (2023)

Bronze Medals - Swim TDSSAA (Regionals) - Northview Boys Varsity Swim Team (2022)

EDUCATION

University of Waterloo (Class of 2029) (Enrolled to start in Sep 2024)
- Honours, Management Engineering, Co-op

Northview Heights Secondary School (Class of 2024)
- HMST (Honors, Math, Science and Technology), SHSM (Specialist High Skills Major - Information & Communications Technology)
- First Robotics Competition Team (2023-2024)
- Executive, Programming Club (2022-2023)
- Vice-President, South Asian Student Council (2023-2024)
- Varsity Swim Team (2023-2024, 2022-2023, 2021-2022)
- Varsity Alpine Skiing team (2023-2024, 2022-2023)
- Beach Volleyball Team (2022-2023)

IBM Full Stack Software Developer Professional Certificate – Nov 2022 to Sep 2023
- Completed 12 courses related to Application Development and Cloud technologies using Continuous Integration and Continuous Development (CI/CD) methods
- Built a machine learning language translation application. Implemented RESTful endpoints using Flask
- Javascript: Created a user-friendly interface for a car dealership
- SQL: Developed a database for a bookstore
- React: Developed a budget allocation application to set goals and track spending
- Django: Built a car dealership review website, with object-relational mapping. Implemented user authentication and authorization

EMPLOYMENT / VOLUNTEER EXPERIENCE

Volunteer (Tech), Scarborough Health Network (SHN) **–** Dec 2022 to Present
- Wayfinding App Project - Collaborating with a team of post-secondary student software developers to build a wayfinding tool
- Automated "SHN Champion" form for rolling submissions with auto-sorting

Robotics Instructor (Volunteer), Holland Bloorview Kids Rehabilitation Hospital – Jan 2024 to Present
- Help youth with disabilities develop social-emotional skills and gain hands-on experience in math and STEAM concepts by using robotic LEGO to build robots and solve challenges using block-based programming

Executive Web Developer (Volunteer), Youth Professionals – Dec 2020 to June 2021
- Led a team of 4 volunteer web developers to develop a website using HTML and CSS for a youth-run organization supporting BIPOC and LGBTQ+ youth

Computer Programming Tutor (Python) - Jan 2020 to Dec 2022
- Taught game development using Pygame and frameworks for critical thinking and problem solving to children ages 10-14
- Created comprehensive lesson plans and interactive activities to keep students engaged and conducted weekly check-ins with parents

Estimator (Co-op Student), Ellis Don Construction Ltd - Mar to June 2023
- Used Bluebeam to conduct quantity surveys, reviewed engineering drawings to calculate cost for projects.
- Learned about intersection control systems and subway tunnelling procedures.

Summer Camp Counsellor, The STEAM Project Inc. – June to Aug 2023
- Led outdoor sports adventure activities, games, and rules reviews, and completed camper evaluations for campers aged 7-11

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Certificate of Distinction (top 25%)- **Pascal** Math Contest (2021)

1st Place - Ontario Registered Music Teachers' Association Primary Competition - Piano (2020)

Certificate of Distinction - **Euler Mathematics Contest** (June 2019)

Certificate of Merit - **Canadian National Mathematics League** (Feb 2019)

UCMAS Abacus Mental Math program - Baccalaureate (2018)

Worker Health and Safety Awareness (WHSA) (2023)

INTERESTS

Volleyball, Basketball, Skiing, Swimming, Sailing

Guitar, Photography

- Participated in leadership training sessions, effective communication with peer counsellors, instructors, leadership team and parents, including conflict resolution

Volunteer, Electronics Recycling Association (ERA), Toronto – Sep 2023 to Present
- ERA refurbishes donated electronics for charities.
- Assisted with trouble-shooting computer hardware and other electronics equipment to salvage reusable parts
- Organized a **tech drive**, and **collected over $6,000 of equipment** to donate to ERA

Volunteer, Daily Bread Foodbank, New Toronto Street, Toronto, Ontario – Aug 2021 to Present
- Provide food sorting and kitchen support
- Organized "Feeding Hunger - The Family Project" an Annual Food Drive
- Organized Annual Family Fundraising initiative

Volunteer, Habitat for Humanity (ReStore) – Mar 2023 to Present
- Applied problem-solving skills to assemble donated furniture that often-lacked instruction manuals, provided customer service and assisted in retail operations

Volunteer Tutor, Boys & Girls Club, West Scarborough Neighborhood – Oct 2022 to Mar 2023
- Provided mentorship / math tutoring to high school students as part of the Raise the Grade initiative

Assistant Ski Instructor, Lakeridge Ski Resort - Dec 2019 to Mar 2020
- Provided ski instruction (beginner and intermediate levels) to kids aged 3-7

LEADERSHIP EXPERIENCE

Crew member, Brigs Youth Sailing – August 2022
- Certification as a 'Lead Hand' for skills mastered in sailing a Tall Ship
- Mastered the fundamentals of sailing a Tall Ship (maneuvers, rigging, steering by compass, wind and landmark, repairs, safety equipment, emergency preparedness)

Shad Fellow (University of PEI 2022), Shad Canada - July 2022
- Participated in STEM-oriented workshops and projects (Cryptology, Computer Science, Entrepreneurship)
- Executive member, Clothing committee: Designed, procured branded clothing

TKS Innovate, The Knowledge Society – Sep 2021 to June 2022
- **Explore Hackathon:** Discovered a way to obtain O-blood cells from embryonic stem cells (won best idea award)
- **Moonshot Hackathon**: Developed a theoretical idea to draw power from neutrinos to power the world
- **Focus Hackathon**: Leveraged synthetic biology to develop bacteria to kill pathogens to make safe drinking water in developing countries

Engineering Science Quest Catalyst, University of Waterloo - July 2021
- Participated in engineering skill building workshops and design challenges

Global Engineering Challenge (Youth Mental Health, Vaccine Distribution), University of Toronto **–** Sep 2020 to June 2021
- Developed a mobile and web application focused on mental health of children - Won Best Problem Identification Award
- Engineering design workshops: prototype product design, ethics and privacy in design, financial literacy, and business