

DARSH SHAH

Brampton, Canada L6P 2E8

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EDUCATION

University of Waterloo

Honours, Bachelor of Software Engineering

Sep. 2023 – Apr. 2028

Waterloo, Ontario

- Guo Family Engineering Scholarship
- President's Scholarship of Distinction

SKILLS

Technical: Python, JavaScript, C, C++, HTML/CSS (+ Bootstrap and Bulma frameworks), Figma

Technologies: VS Code, PyCharm, Jupyter Notebook, Github, Git, GitLab, MS Office, Google Suite, Autodesk, Arduino

Interpersonal: Communication, leadership, time management, problem-solving, collaboration, quick learning

EXPERIENCE

STEM Instructor

City of Brampton

Sep. 2022 – Sep. 2023

Brampton, Ontario

- Designed the curriculum for an Introduction to Python course and proctored assessments for **50+ students**
- Taught complex programming principles such as Big O Notation and Object-Oriented Programming in Python with project-based learning opportunities, earning a **97% participant satisfaction**
- Produced end-of-term reports and conducted a course approval survey to indicate areas of improvement

Chairman

SciTech Activity Committee

Jun. 2022 – Jun. 2023

Brampton, Ontario

- Led a cross-functional team of 26 students to orchestrate large-scale events for the SciTech program, including WolfHacks, the largest hackathon in the Peel Board
- Secured sponsorships and business partnerships in excess of **\$50,000** with reputable corporations including the Canadian Space Agency and Rogers
- Coordinated prizes, merchandise, and venues for events gathering over **800 members** annually

Web Developer

Nu Vision Metals

Jun. 2022 – Aug. 2022

Scarborough, Ontario

- Developed core features for the company site with HTML/CSS, SCSS, and JavaScript, increasing **website traffic by 17%**
- Leveraged market analytics with 2 full-time engineers to revamp the UI/UX on the Home, Capabilities, and Gallery pages, reducing bounce rate and improving interactions
- Utilized Github, Git, and CI/CD tools to publish **4 rounds** of site revisions and presented updates to the executive board
- Implemented cross-platform website wireframes using Figma and CSS prior to launch via A/B testing protocols
- Hosted and deployed website to: nuvisionmetals.com

PROJECTS

Personal Website | JavaScript, HTML/CSS, SCSS, Bootstrap, GitHub

Aug. 2023

- Developed a responsive, mobile-first portfolio website to share personal experiences, skills, and accomplishments
- Deployed project by configuring GitHub Pages with the local DNS address record to produce dynamic and live updates
- Link: darshshah.ca

Facial Recognition AI | Python, OpenCV, GitHub

Dec. 2022

- Built a facial recognition AI algorithm that reviews live camera feeds and identifies labelled faces from a database
- Created additional functionality by considering real-world applications to security systems that provide alerts to users for threats using pattern identification

AWARDS

Recipient | Governor General's Academic Medal: *Government of Canada*

Jun. 2023

Recipient | Science and Technology Award: *SciTech North Regional Program*

Jun. 2023

School Champion | Euclid Contest: *University of Waterloo*

Apr. 2023

Semi-Finalist | Loran Scholarship: *Loran Scholars Foundation*

Oct. 2022