Joshua Xue

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EDUCATION

McMaster University   Sep 2023 – May 2027 (Expected)
B.Eng. in Computer Engineering (Co-op)
- CPGA: 3.94/4.00 – Dean's Honor List

EXPERIENCE

Software Engineer Executive   Nov 2023 – Present
McMaster Sumobot Club/Competition   *Hamilton, ON*
- Robotics competition where teams design and build robots fight against each other
- Host programming workshops to teach and train teams in Arduino/C++ for robot development
- Build entire robot using CAD, 3D print, Arduino microcontrollers and code for combat

Lifeguard and Swimming Instructor   Aug 2022 – Sep 2024
City of Markham   *Markham, ON*
- Certified lifeguard and instructor with Standard First Aid Training and CPR Level C
- Responded quickly and effectively to water emergencies, providing first aid and initiating rescue procedures when necessary
- Conducted swim lessons for individuals of all ages and skill levels and implemented lesson plans tailored to the needs and abilities of each student

Bike Mechanic   May 2022 – Sep 2023
Markham Cycles   *Markham, ON*
- Experienced in servicing, assembling, and repairing any component on a diverse range of bikes
- Rust removal, mechanical/hydraulic disc/rim brake service, flat tire repair, wheel truing, crank/bottom bracket service, derailleur adjustment, headset service
- Experience working on steel, aluminum, and carbon framesets

Cashier and Merchandiser   Jul 2021 – Nov 2021
Party City   *Markham, ON*
- Processed hundreds of transactions for customer purchases and returns, as well as online orders or exchanges
- Provided customer service by fulfilling customer orders and answering questions in store and over the phone in a timely, efficient manner

PROJECTS

Personal Portfolio Website | *joshx.tech*   Sep 2024
- Developed a front-end web app displaying myself and my skill portfolio
- Built with HTML, CSS, Javascript

PlanetPal | *TerraHacks 2024*   Aug 2024
- Terrahacks Hackathon project with a theme on environment and sustainability
- Created a personal waste management assistant web app using the OpenAI GPT api
- Built with HTML, CSS, Javascript, React.js, Vite, Node.js, EmailJS, deployed to Vercel

ATM Finder | *YRHacks 2023*   Mar 2023
- YRHacks Hackathon project that points you to the nearest ATM and other amenities on a map
- Built with Google Places api, HTML, CSS, Javascript, React.js

TECHNICAL SKILLS

Languages: C, C++, Python, Javascript, HTML5, CSS3, Arduino, MatLab
Tools: Microsoft Office, GitHub, VSCode, Autodesk Inventor (CAD), Granta, Davinci Resolve, Adobe Premiere Pro, Audacity
Interests: Soccer, Skiing, Cycling, Running, Bikes, 3D Printers, Finance, Personal Investing