

# Joshua Xue

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## EDUCATION

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<b>McMaster University</b>	Sep 2023 – May 2027 (Expected)
B.Eng. in Computer Engineering (Co-op)	
<ul style="list-style-type: none"><li>CPGA: 3.95/4.00 – Dean's Honor List</li></ul>	

## EXPERIENCE

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<b>Programming Team Executive</b>	Nov 2023 – Present
<i>McMaster Sumobot Club/Competition</i> <ul style="list-style-type: none"><li>Robotics competition where teams design and build robots fight against each other</li><li>Host programming workshops to teach and train teams in Arduino/C++ for robot development</li><li>Build entire robot using CAD, 3D print, Arduino microcontrollers and code for combat</li></ul>	
<b>Lifeguard and Swimming Instructor</b>	Aug 2022 – Sep 2024
<i>City of Markham</i> <ul style="list-style-type: none"><li>Certified lifeguard and instructor with Standard First Aid Training and CPR Level C</li><li>Responded quickly and effectively to water emergencies, providing first aid and initiating rescue procedures when necessary</li><li>Conducted swim lessons for individuals of all ages and skill levels and implemented lesson plans tailored to the needs and abilities of each student</li></ul>	
<b>Bike Mechanic</b>	May 2022 – Sep 2023
<i>Markham Cycles</i> <ul style="list-style-type: none"><li>Experienced in servicing, assembling, and repairing any component on a diverse range of bikes</li><li>Rust removal, mechanical/hydraulic disc/rim brake service, flat tire repair, wheel truing, crank/bottom bracket service, derailleur adjustment, headset service</li><li>Experience working on steel, aluminum, and carbon framesets</li></ul>	
<b>Cashier and Merchandiser</b>	Jul 2021 – Nov 2021
<i>Party City</i> <ul style="list-style-type: none"><li>Processed hundreds of transactions for customer purchases and returns, as well as online orders or exchanges</li><li>Provided customer service by fulfilling customer orders and answering questions in store and over the phone in a timely, efficient manner</li></ul>	

## PROJECTS

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<b>Personal Portfolio Website</b>   <a href="http://joshx.tech">joshx.tech</a>	Sep 2024
<ul style="list-style-type: none"><li>Developed a front-end web app displaying myself and my skill portfolio</li><li>Built with HTML, CSS, Javascript</li></ul>	
<b>PlanetPal</b>   <i>TerraHacks 2024</i>	Aug 2024
<ul style="list-style-type: none"><li>Terrahacks Hackathon project with a theme on environment and sustainability</li><li>Created a personal waste management assistant web app using the OpenAI GPT api</li><li>Built with HTML, CSS, Javascript, React.js, Vite, Node.js, EmailJS, deployed to Vercel</li></ul>	
<b>ATM Finder</b>   <i>YRHacks 2023</i>	Mar 2023
<ul style="list-style-type: none"><li>YRHacks Hackathon project that points you to the nearest ATM and other amenities on a map</li><li>Built with Google Places api, HTML, CSS, Javascript, React.js</li></ul>	

## TECHNICAL SKILLS

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