Jonathan Bodner

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SKILLS

Languages: Java, C++, Python, SQL, HTML, CSS, Javascript, VHDL, Processing, Matlab
Technologies: Git, GitHub, Bootstrap, Windchill, Arduino, Creo

WORK EXPERIENCE

Terrestrial Energy   Jan '20 - Apr '20 & Sep '20 - Dec '20
Software Developer & IT Technician   *Oakville, ON*

- Developed Windchill workflows using Java and the Windchill API in order to automate numerous product lifecycle management processes, improving data accuracy & security in SQL tables while also reducing the time spent by users on redundant tasks
- Collaborated with the QA team to overhaul the existing Problem Identification process, planned, managed & designed all required software features and changes in Windchill
- Arranged installation, verification and version control for multiple user software packages
- Analyzed server usage and planned improvements to increase performance by up to 10x
- Implemented solutions and deployed patches for software and hardware issues

Good Books Bookstore   Jul '18 - Aug '19
Website Administrator, IT Support & Clerk   *Oakville, ON*

- Consistently updated website pages using HTML and CSS to display up-to-date content
- Resolved technical issues with the stores website, hardware and clerical inventory software
- Assisted and recommended products to customers, performed opening and closing duties

SIDE PROJECTS

Algorithm Visualizer: Java based Processing application to display sorting algorithms in real time

Rock Paper Scissors: Responsive browser based game using HTML, CSS, JS, Bootstrap & JQuery

Obstacle avoidance: Used ultrasonic sensors and arduino to safely navigate a robotic vehicle

Path Visualizer: Applied Greedy algorithm on input elevation data in Java to determine path with lowest change in elevation and highlight it on a grayscale map

EDUCATION

University of Waterloo   Sep '19 - Apr '24 (Expected)
BASc. in Computer Engineering   *Waterloo, ON*