

DASOL LIM

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EDUCATION

Bachelor of Engineering Science - Software Engineering

University of Western

Expected April 2025 | London, ON

- Relevant Courses: Database Management, Algorithms and Data Structure, Project Management, Web Technology, Java, JavaScript, Operating System, Discrete Mathematics, Software Design

WORK EXPERIENCE

Software Developer | Elkor Technologies Inc

May 2023 – September 2023 | London, ON

- Developed a data processing script utilizing HTML, CSS, Bootstrap, JavaScript, and PHP to automate over 49 product pages, resulting in an 18% increase in efficiency.
- Automated the unit testing infrastructure for a client application using Java and Selenium IDE, leading to a 23% reduction in the number of reported bugs.
- Created a custom input card calibration plugin in LUA and C#, achieving a 97% success rate with over 50 tested products while optimizing performance and accuracy.
- Led the collaborative effort with the CEO and Senior Developer to design and launch an optimized company website using HTML, CSS, Bootstrap, JavaScript, and PHP, resulting in a 30% increase in mobile responsiveness and a 38% improvement in overall website performance.
- Collaborated with a professional UI/UX developer to successfully create a multi-level slide-out hamburger menu using Bootstrap, HTML, CSS, and JavaScript. This initiative led to a significant 35% increase in website conversions and a 21% improvement in overall user satisfaction.
- Constructed the MCM Production Plugin to optimize logging configuration and data registers using C# and Modbus Commander API, resulting in a 28% increase in user satisfaction.

ACADEMIC PROJECTS

MERN Stack Web Development

November 2023 - December 2023 | London, ON

- Built a full-stack web application for creating public user lists and implementing a soft match search platform, utilizing over 10,000 JSON data and MongoDB. Implemented JWT, React, and Redux to manage and monitor user authentication and actions.
- Created 100% RESTful APIs to handle user functions and requests, employing Express.js and Node.js with MongoDB as a persistence layer, while utilizing React on the frontend.
- Deployed the website on AWS cloud using EC2, configuring cloud services to simulate real-world traffic handling, achieving optimal load balancing and a 30% improvement in server response times.
- Integrated PuTTY for server updates with Nginx and FileZilla for file transfers, contributing to a highly efficient and scalable web application infrastructure.

IBM Twitter Stock Prediction

October 2023 – February 2024 | London, ON

- Utilized the Natural Language Toolkit for Sentiment Analysis and Spearman Correlation of sentiment and closing prices to analyze Twitter data's relation to companies' stocks, resulting in a 65% increase in accuracy for more effective stock trading decisions.
- Collaborated with a team of 6 to integrate Long Short-Term Memory Model to align model outputs with financial skills, enabling data-driven decision-making for strategic trading advantages.
- Operated Trainer API using Python and PyTorch to enhance model performance and data precision.

IFinance Database Project

February 2022 - April 2022 | London, ON

- Designed Java-based software solutions using JavaFX and Scene Builder for complex business challenges, improving user responsiveness by 60% and enhancing code organization by 80%.
- Coded highly effective database adapter classes with Java, SQL, and Apache Derby DB, increasing data integrity by 55% and improving overall performance by 65%.

SKILLS

LANGUAGES: Java, JavaScript, Python, SQL, HTML, CSS, C++, C#, PHP, LUA, MATLAB

FRAMEWORKS: React, Bootstrap, Express.js, PyTorch

TECHNOLOGIES: MySQL, MongoDB, Node.js, AWS, Git/GitHub, Linux, Selenium IDE, PuTTY, FileZilla