

Alan (Wenbo) Min

Web Developer, CAPM

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Profile

- Master of Web Development with 3+ years' experience in Full-stack Software Development, Data Science, Data Analysis and Visualization
- Proficient in OOD, algorithms, data structures, and troubleshooting skills.
- Solid knowledge of Python, JavaScript, TypeScript, SQL, MongoDB, Java, Azure, AWS, C#, Power BI, Postman
- Hands on experience with Unit test, Integration test, Agile development, Scrum, Kanban, Jira, Git
- Certified Associate in Project Management

Work-Related Experience

Web Developer

May 2023-Present

Miebach Consulting Group, Toronto, Canada

- Developed **SSO** with **Azure**-based Applications (**SaaS**) for system security, enhancing user experience, increasing account security, and saving clients time by eliminating the need for multiple logins. | For PVH (Global retail apparel and fashion company)
- Saved 500 hours/month by converting a **PowerBI**-based application to a **React**-based web application, significantly elevating working efficiency and reducing membership fees. | For Chedraui (Global grocery retailers)
- Developed a cloud-based inventory management web app using the **Django** framework for the backend and **React TypeScript** for the frontend. | For Eli Lilly (Global pharmaceutical company)
- Organized the **SQL** database data structure for user categorization and updated the **RESTful APIs** with **Node.js**, which saved 20% on cloud plan usage. | For ABInBev (Global manufacturing company)
- Updated the internal **ERP** application layout and **CSS** to follow **W3C HTML** standards according to the **Figma** Hi-fi design and added **responsive** styling to accommodate different screen sizes. | For Miebach Internal
- Supported warehouse data transfer and backup with **SQL** and **Python**. Used **Redis** as a storage solution to store and manage warehouse data files. | For Würth (Global manufacturing company)

Project Manager

March 2021-August 2022

TROES Corp, Toronto, Canada

- Used WordPress to create the Battery Energy Storage System UI to monitor battery condition and usage.
- Collaborated with a third-party development team from Seneca to develop a Python-based remote control application for the battery system that can perform emergency stops or reboot the system remotely.
- Led a 4-person team to create a portfolio website showcasing successfully delivered projects and deployed it on **AWS**.
- Arranged Scrum meetings and retrospective meetings with the R&D team to advance the development of the Energy Peak Shaving Simulation system.

Performance Engineering Specialist

October 2019- February 2021

APG-Neuros, Montreal, Canada

- Programmed **LabView/VBA** applications for a factory test cell following the ASME PTC-13 test code.
- Developed in-house performance prediction software based on **MATLAB** and **JAVA**, saving 30% of the time required to select the most suitable model for clients.
- Used AutoCAD and SolidWorks to design the test cell plant layout and prepared engineering drawings.
- Conducted structural analysis of the impeller and shaft, including failure calculations using **Six Sigma** principles.
- Carried out computational fluid simulations for blower discharge flow using ANSYS and customized the simulation boundaries and mesh settings with **C++**.

Skills

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|---|--------------|
| • Front-End: HTML, CSS, JavaScript, TypeScript, React.js, Ember.js, Node.js, Responsive | 10+ projects |
| • Back-End: PHP, ASP.NET, C#, Python, Cypress, Redis, Docker | 5+ projects |
| • Data Processing: Excel, PowerBi, MySQL, MongoDB | 3 years |
| • Operation&Maintenance: Azure, AWS, NPM, Webpack, Jenkins, Deploy, Git, log | 5+ projects |
| • Project Management: Asana, Microsoft Project, SAP, Jira, Agile | 10+ projects |
| • Design: Figma, Mirror, Photoshop, Prezi, Corel Video Studio | 7 years |

Education

Humber College, Toronto, Canada

September 2022 - November 2023

Graduate Diploma in Computer Science | Web and Software Development (GPA: 3.9/4.0)

McGill University, Montreal, Canada

January 2018 - August 2019

Master of Engineering in Mechanical | Industry Project Management (GPA: 3.7/4.0)

University of Birmingham, Birmingham, UK

September 2013 - July 2017

Bachelor of Engineering in Mechanical | Automation and Robotics Programming (GPA: 4.0/4.0)