Ahmed Mandalawi

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EDUCATION

Honours in Bachelor of Science (Computer Science and GIS)   **University of Toronto – 2022**

QUALIFICATIONS / PROFESSIONAL SUMMARY

Proficient: Python, Java, CSS3, JIRA, Scripting, Bash, HTML5, GIT, GitHub, HTML6, XML, JSON, NodeJS, React/Redux

Intermediate: ExpressJs, MongoDB, C/C++, JS (ES6+), BootStrap, R, VueJS, JQuery

Familiar: C#, Swift, MySQL, PHP, Objective-C, Kotlin

PROFESSIONAL SUMMARY

- Passion for full-stack web development.
- Highly collaborative approach to teamwork
- Strong track record of leading teams in an agile environment
- Excellent communication skills, both written and oral

- Building new SaaS platform products
- AWS services, cloud infrastructures, and UX design
- Expertise in Python, Java, HTML5/6, CSS, Bash, Git, and NodeJS
- ESRI ArcGIS, Erdas, QGIS, Google Earth, and Pix4D

PROFESSIONAL EXPERIENCE

WMM Solutions Inc   **Jan 2023– Present**
Web/QA Developer
- Provided professional guidance and consultation to clients to enhance their online presence through web development services.
- Implemented advanced testing methodologies in QA Automation to ensure software quality and operational efficiency at the highest standards.
- Offered strategic insights to optimize software development processes and enhance the overall QA strategy, resulting in improved product quality and customer satisfaction.

GDSC (Google Developer Student Club)   **Jan 2022– Sept 2022**
Full-Stack Developer
- Developed websites using React, Node JS, Express, and Mongo DB while providing technical support and using a JWT-based authentication system.
- Established various methodologies, including creating and maintaining API test framework, UI automation, designing and developing core features, while liaising with clients and following an agile approach.
- Utilized data modelling and analysis, updated website design, and maintained communication guidelines for sprint meetings, while creating CRC cards, schedules, system design, UML classes, GitHub readme, Jira backlog, and burndown charts for each sprint.

City of Mississauga   **Sept 2021– Feb 2022**
GIS Analyst
- Utilized Waterfall & Agile Methodology to collaborate with city mentors and team members and created test strategies for manual and automation testing.
- Conducted data manipulation, advanced mapping automation, and statistical analysis using various spatial mapping software, in addition to maintaining web functionality and providing technical support.
- Designed databases, integrated GIS with other technology, and produced high-quality reports to communicate findings to the city.

Routeability   **Jan 2021– August 2021**
Junior software developer
- Developed and maintained various web and desktop-based business applications while also providing technical support to business users and migrating applications to current Microsoft technologies.
- Created pedestrian routes that enable all levels of mobility using statistics and open-source data to analyze and recommend optimal urban locations, in addition to designing and maintaining databases and creating a portal for sharing spatial data to improve accessibility.
- Developed and implemented project plans, schedules, and timelines to ensure timely completion of tasks and collaborated with cross-functional teams to identify business needs and develop software solutions that improve operational efficiency.

EXTRACURRICULAR ACTIVITIES

Drone operations/Embedded Systems Projects
- Drone operations for data collection, including compliance with Canada Flight Supplement and Designated Airspace Handbook, and manipulation of aerial data using Remote sensing software.
- Experience in embedded systems projects such as custom-built Raspberry Pi web server, remote-controlled car, RetroPie gaming setup emulator, and cellular-powered backup Internet connection.