

Ahmed A.

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Ottawa

WORK EXPERIENCE

IT / Operations Coordinator

Sep 21 - Present

Rideau Transit Maintenance General Partnership • Ottawa, Ontario

RTMGP is a conglomerate of existing large organizations involved in infrastructure construction projects.

- Designed & developed a series of SharePoint sites, training programs, and Power Fx & PowerShell scripts, eliminating mundane tasks and increasing overall efficiency.
- Primary IT support for a staff of 50+, troubleshooting issues related to software and hardware.
- Active member of RTM's workplace health and safety committee.
- Implemented a security permission system and tests with simulated internal and external user access for internal sites.
- Assisted in the development of an SMS alert web application using Node JS and Twilio API.
- Assisted and offered solutions in the mass cleanup during the data migration.
- Managed the Access Intrusion Control System for multiple facilities. Had to reevaluate the security risks for each room and develop and document a number of procedures and best practices for different access requests.

Intern Software Developer

Apr 21 - June 21

Stemworld Educational Services • Ottawa, Ontario

Stemworld is a non-profit organization whose mission is to build educational and interactive software for children who are underprivileged or with disabilities.

- Developed a Python TensorFlow prediction model with an 88% accuracy for a mobile adaptation of Google's quick draw game.
- helped in development of scratch-like web applications using Google's Blockly API. We used Node.JS, JS, HTML and CSS.

EDUCATION

Computer Programming

Sep 19 - Apr 21

Algonquin College, Ottawa

TECHNICAL EXPERIENCE

- **StudioXOttawa (2021):** Full-stack android application for local Ottawa business 'StudioXOttawa'
- **Ticketmaster (2020):** Android application that implements Ticketmaster API to extract events.
- **Covid19-csv (2021):** Python application that manipulates csv dataset provided by open.canada.ca.

- **MongoDB-Catalog (2021):** Simple e-commerce website implemented using MongoDB & Python/Flask.
- **Weather App (2021):** Weather app that uses both openweathermap.org and unsplash apis. Written with JS HTML CSS.

ADDITIONAL EXPERIENCE AND AWARDS

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|--|----------|
| The Machine Learning Pipeline on AWS | Aug 2021 |
| AWS • Ottawa, Ontario | |
| AWS DeepRacer: Driven by Reinforcement Learning | Aug 2021 |
| AWS • Ottawa, Ontario | |
| Deans Honor List | 2020 |

LANGUAGES AND TECHNOLOGIES

Software Development

- SDLC, Object Oriented Analysis and Design.
- UML Diagrams: Class, Use Case, Component, Package.

Project Management Models

- In-depth knowledge of Agile and Scrum.

Database

- MySQL, SQLite, MongoDB, Oracle, PostgreSQL and MS SQL.

Deployment

- Netlify, Heroku, and Apache.

Technical Tools & Languages

- Knowledgeable and experienced with React JS, CSS and HTML.
- Experienced with Git.
- Experienced with Java, NodeJS & Python.
- Experienced in Flask, Django.
- Experienced in Linux Bash & PowerShell.
- Familiar with Amazon Sage maker for model training and deployment.
- Experienced in developing an android application using Firebase for user authentication and Realtime database.

Software Architecture Patterns and Styles

- Experience with MVC and MVP.