Abison Kunan Vijayakanthan

Management Engineer

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(416) 993 - 5869 📱

Markham, Canada 📍

An individual with the interests of solving problems using data

EDUCATION

Management Engineering
University of Waterloo

09/2015 - 04/2020

Courses
- Machine Intelligence
- Decision Support Systems
- Data Warehouse
- Human-Computer Interaction

CERTIFICATES

CS 50 (04/2020 - Present)

IBM Data Science (04/2020 - Present)

IBM Python for Data Science (04/2020 - Present)

PERSONAL PROJECTS

FindME (10/2019 - Present)
- developing a mobile application to list services specifically for the small businesses and startups within the community

TapTht Inc. (01/2017 - Present)
- developed a multi-use business card with the use NFC technology
- exploring ways to implement NFC technology in wearable technology and household projects

Optimizing the Onboarding Process (09/2019 - 04/2020)
- developed a web interface using GO for backend and Angular for frontend to streamline the onboarding process for new hires

RateVerify (01/2020 - 04/2020)
- utilized classifying algorithms using Python to predict ratings based on reviews for products on Amazon, to verify the ratings displayed

SKILLS

`5S` `Kaizen` `Agile Methodologies` `Scrum`
`SQL` `Python` `VBA Macros` `C` `R`
`Javascript` `React` `Angular`

SOFT SKILLS

`Conflict Management` `Critical Thinking`
`Collaboration` `Public Speaking`
`Project Management`

WORK EXPERIENCE

Continuous Improvement Team Member
Santaville

12/2019 - Present

Achievements/Tasks
- implemented lean principles to eliminate standing inventory and decrease work cell movement
- developed a product delivery forecasting model to improve inventory replenishment and reduce manufacturing costs

Business Process Project Analyst
The Regional Municipality of York

01/2019 - 01/2020

Achievements/Tasks
- created and analyzed business workflow process documentation including process maps, and customer journey mapping
- implemented lean, six sigma and BPM process methodologies such as 5S, 8 Wastes and value walk propositions into daily workflow
- led and facilitated committee workshops to bring awareness to benefits of 5S, Kaizen, and lean principles

Operations Analyst
Lime

09/2018 - 09/2019

Achievements/Tasks
- analyzed the ridership data to determine hotspots, and peak hours of operation
- deployed strategies to decrease recharging off-time and mechanical failures of electric scooters
- led a team of operation technicians to deploy and retrieve scooters

Manufacutring Engineer
eCycle Solutions Inc.

04/2018 - 08/2018

Achievements/Tasks
- increased production flow by 31% by optimizing business workflow utilizing 5S
- developed an automated production process tracking tool to increase SLA achievement rates

Operational Excellence Team Member
Trench Siemens

01/2015 - 09/2015

Achievements/Tasks
- optimized manufacturing process guidelines to maximize production quality and reduce defects
- lead and facilitated workshops to redesign work cells to improve product flow and resolve bottlenecks
- utilized 5S, Kaizen, Kanban, value stream mapping and downtime analysis to increase work cell efficiency