

ALAN MATTHEW VADLAKUNTA

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American and Canadian Citizen

Education

Concordia University

Bachelor of Engineering, Software Engineering (SWE)

Montreal, QC

Sept 2020 – May 2024

• **Courses:** OOP in Java, Data Structures & Algorithms, Operating Systems, Web Programming, Databases

John Abbott College

Diploma of Collegial Studies, Pure and Applied Sciences

Montreal, QC

Sept 2018 – May 2020

Skills

Languages: Java, Python, JavaScript, HTML, CSS, PHP, C, C#

Technologies: React.js, Node.js, MySQL, Heroku, GitHub, Firebase

Relevant Work Experience

Sofvie

Big Data Analyst Intern

Montreal, QC

Jan 2023 – Present

- Designed machine learning algorithms to evaluate factors that increase employee training completion rate.
- Maintained constant communication with stakeholders to provide insight on progress and updates.
- Implemented K-Mean and hierarchal clustering using Python's Scikit-Learn to find common characteristics in employees with high training completion rates.
- Used Pandas DataFrames to store and manipulate data from MySQL database.
- Optimized complex SQL queries to fetch relevant information from MySQL database and compute completion rate per employee.
- Utilized: Python, Jupyter Notebook, Scikit-Learn, Seaborn, MySQL, Pandas

Projects

HIREME – Social Networking Application

Jan 2023 – Present

- Lead and managed a team of 9 students to build a full stack web application using React.js.
- Created CI pipeline using Cypress and GitHub Actions to allow continuous testing.
- Improved CI pipeline runtime by 33% to allow a faster execution time of E2E tests.
- Integrated NoSQL Firestore database, Firebase Cloud Storage and Firebase Auth into React.js project.
- Utilized: JavaScript, React.js, Cypress.io, GitHub Actions, Firebase, Figma, MUI

Spotify Data Visualizer – ConUHacks 2023

Jan 2023

- Implemented dynamic tree maps using JavaScript to display top artists from Spotify.
- Used Spotify REST API to display artist information in React.js project.
- Utilized: React.js, JavaScript, Node.js, Express.js, Spotify REST API, ApexCharts.js, CSS, Kaggle

Heagle - E-Commerce Application

Jan 2022 – May 2022

- Led and managed a team of 7 students to build a full stack web application using React.js.
- Implemented CI and CD using GitHub Actions to apply Agile methodology.
- Fetched data from MySQL database using REST APIs to display information in React.js project
- Utilized: React.js, JavaScript, Node.js, Express.js, MySQL, GitHub Actions, Figma, CSS

Other Work Experience

Small Business Owner

Local 3D Printing Service

Saint-Lazare, QC

Apr 2022 – Present

- Designed and printed 3D models for clients to satisfy their requests.
- Optimized and sliced over 50 3D models using UltiMaker Cura.
- Generated sales in Canada and USA with over 60% profit margins through ecommerce websites.

FedEx Supply Chain

Warehouse Associate

Coteau-du-Lac, QC

June 2019 – Apr 2022

- Worked either in teams or alone to achieve daily objectives.
- Recorded information, shortages, and discrepancies to keep records current and accurate.
- Loaded/unloaded materials from skids and other transport vehicles.

Petinos

Restaurant Busser

Vaudreuil-Dorion, QC

June 2018 – Sept 2019

- Worked in a small team to deliver the best customer service.
- Pitched in extra hours and helped other staff during unexpected times of high volume to improve seating availability and food delivery to tables.
- Kept a close eye on customers to quickly spot leaving guests and clear tables for future clients.

Dorion Dream Center

Volunteer

Vaudreuil-Dorion, QC

May 2017 – Aug 2017

- Helped serve and prepare fresh meals for hundreds of families in need in Vaudreuil-Dorion

Hobbies

YouTube

- I enjoy creating gaming and music content with friends.

Music Production

- I produce music with my friends and some local artists.

Drone Flying

- I fly my drone near fascinating landscape and like to make cinematic videos.

Visual and Graphic Effects

- I make logos, banners and edit photos.