

# ADIL JIWANI

## Contact

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## Summary

- Exceptional interpersonal skills developed through various leadership roles
- Fast learner; eager to take on new initiatives

## Skills

### LANGUAGES

Java  
C++  
SQL  
JavaScript  
HTML  
CSS

### FRAMEWORKS

Hadoop  
ReactJS  
AngularJS  
React-Native

### TOOLS

Bash  
Apache Phoenix  
Xcode  
Shell scripting

## Education

University of  
Waterloo  
Systems Design  
Engineering 2021

## Work Experience

### TD Bank Group Solutions Architect (co-op)

Jan 2017 - Apr 2017

- Executed a technical feasibility assessment for **Apache Phoenix** on TD's Hadoop cluster
- Reduced query time by **50%** by applying **secondary indexing** to **TPCDS benchmark data**
- Employed **Cloudera Impala** to simplify the access of data from **Hive** using standard SQL queries
- Created data reports using Tableau connected to Impala on a Hadoop cluster

## Projects

### Di\ide

Jan 2017 - Present

- Creating a **cross-platform mobile application** using **photo-recognition software** to split payments
- Employed **natural language processing** to identify the payer and determine the receipt total
- Integrated a **PayPal API** to secure and simplify the transfer of payments
- Tools: React-Native, Firebase, Microsoft Cognitive Services

### EDPP Intake Request Form

Mar 2017 - May 2017

- Created a web form using **AngularJS** for data intake requests from TD's Hadoop cluster
- Used **NodeJS** as the server engine and **PHP** for email notifications
- Integrated Microsoft SQL Server to store data from the intake request form

### Airline Delay Estimator

Jan 2017 - Mar 2017

- Built a predictive model to estimate airline delays for **over 7.4 million flights** from O'Hare International Airport from 1987-2008
- Employed **HDFS** and **MapReduce** to perform data pre-processing and feature engineering tasks
- Applied **machine learning algorithms** on the resulting datasets to predict future airline delays
- Tools: Hadoop, Python, MapReduce, machine learning

### OCAD Sumo Robot Challenge

Dec 2014 - Mar 2015

- Designed and programmed an **autonomous robot** for head-to-head combat
- Placed **3rd** in the competition against 15 school teams across Toronto
- Tools: C++, Arduino

## Additional Experience

### MakeLab Program Manager

Nov 2015 - Present

- Organized a 3D printing workshop for **over 200 students** to explore the architecture of Cairo
- Instructed students on creating designs on TinkerCAD and print their designs using 3D printers
- Educated students to use a **design thinking process** to create architectural models

### Story of Syria Founder

Sep 2014 - Present

- Founded the club to increase awareness and raise funds for the **Syrian refugee crisis**
- Facilitated weekly meetings for 53 members to brainstorm solutions to resolve global issues
- Raised over **\$3000** for **Lifeline Syria** and **FOCUS Humanitarian Assistance**