

# ADIL JIWANI

✉ adiljiwani@gmail.com 📞 416-454-6555 📍 Toronto, ON 💼 linkedin.com/in/adiljiwani 🌐 adiljiwani

## WORK EXPERIENCE

- Jan 2017 to Apr 2017 TD BANK GROUP · Solutions Architect (co-op) · Toronto, ON
- 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

## SKILLS

LANGUAGES	Java, C++, SQL, JavaScript, HTML, CSS
FRAMEWORKS	Hadoop, ReactJS, AngularJS, React-Native
TOOLS	Bash, Apache Phoenix, Xcode, Shell scripting

## PROJECTS

- Jan 2017 to Current DIV/IDE
- 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
- Mar 2017 to May 2017 ENTERPRISE DATA PROVISIONING PLATFORM INTAKE REQUEST FORM
- 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
- Jan 2017 to Mar 2017 AIRLINE DELAY ESTIMATOR
- 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
- Dec 2014 to Mar 2015 OCAD SUMO ROBOT CHALLENGE
- 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

- Nov 2015 to Current MAKELAB · Program Manager
- 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
- Sep 2014 to Current STORY OF SYRIA · Founder
- 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**

## EDUCATION

University of Waterloo  
Systems Design Engineering 2021