

Munir Abdinur

SYSTEMS DESIGN ENGINEERING

SOFTWARE SKILLS

PROFICIENT	Python, VBA, MySQL, MS Access, JavaScript
INTERMEDIATE	Excel, C++, Java, HTML, CSS, NodeJS
BEGINNER	Scala, Bash, React Native

EXPERIENCE

SEPTEMBER 2017 – PRESENT

Toronto Transit Commission

Costumer Experience Developer

- Developed an excel platform to address **human factor** issues at Transit Control
- Used Excel Forms and **VBA Macros** to standardize TTC travel alerts
- Analyzed train arrival patterns using python modules such as **numpy**, **pyplot** and **matplotlib**
- Designed an **Access** database to store and retrieve vehicle and route information

DECEMBER 2016 – MAY 2017

Initium Labs , Sears Canada

Software Engineer

- Developed Sears Canada's **e-commerce** platform
- Created sales fulfillment application which **recovered over \$100 000** in misplaced orders
- Configured routing and carrier selection apps
- Debugged **Sears payment gateway** as a member of a scrum team

DECEMBER 2017 - PRESENT

Digishop

Chief Information Officer

- Creating an **IoT platform** to address pain points in the nail and spa industry
- Using **React Native** to develop a cross-platform app

MAY 2017

EngHack

Hackathon Director

- **Raised \$18 500** for EngHack through networking and effective marketing
- Helped budget and plan a two day event hosting over **300 hackers**

NOVEMBER 2016

Waterloo Engineering Competition

Consulting Director

- Previously **won first place** in this competition
- Created a comprehensive **SpaceX** case study to present contestants with material to formulate a report

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SUMMARY

- Leadership roles: **President, Director, PM**
- Experienced with **DBMS** and software engineering
- I am extremely outgoing and able to learn quickly
- Looking to gain more experience in data processing

PROJECTS

Sport Analytics - NBA

Home Field Advantage ?

- Calculated **advanced metrics** (TS%, ORtg, DRtg) to analyze team performance across 20 years
- **Identified trends** in home and road records
- Created a **python API** to scrape NBA league data
- Designed a Sqlite database to efficiently retrieve data
- Conducted a χ^2 **test** to challenge my null hypothesis
- Used **matplotlib.pyplot** to visualize results

Android App

QueueTube

- Building an app to automate the download of videos
- Gaining experience with **Scala** and **Andriod Studio**
- Implementing Scala's **concurrent package** to enable multi-threading in my application

Music Playing Robot

Robustic - Project Manager

- Used **C++** to transform visual input in to sound
- Analyzed an Integrated Circuit with op amps, speakers and voltage regulators
- Designed the chassis of the robot using **CAD**

EDUCATION

MARCH 2017	Agile Workflow Seminar Implementing Agile Principles
2016 – PRESENT	Systems Engineering University of Waterloo
2012 – 2016	AP National Scholar York Memorial CI

ACTIVITIES

STUDENT ADVOCACY	Engineering Society
BASKETBALL	Intramural
DEBATING	UW Debating Club