

# Munir Abdinur

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## SKILLS

### PROGRAMMING

Proficient:

- Python • VBA • MySQL • MS Access
- JavaScript

Intermediate:

- Excel • C++ • Java • HTML
- CSS • NodeJS

Beginner:

- Scala • Bash • React Native

## LINKS

Github:// **mabdinur**

LinkedIn:// **munirabdinur**

My Website:// **munirabdinur.me**

## EDUCATION

### UNIVERSITY OF WATERLOO

#### BASc IN SYSTEMS ENGINEERING

Expected June 2021 | Waterloo, ON

### AGILE WORKFLOW SEMINAR

#### IMPLEMENTING AGILE PRINCIPLES

March 2017 | Toronto, Ontario

## AWARDS

AP National Scholar

98th percentile

UW Entrance Scholarship

\$5000

Waterloo Engineering Competition

2017 1st/50

WEC Consulting

2017 1st/13

## ACTIVITIES

### SPORTS

Competitive Swimming

Intramural Basketball

Varsity Soccer (HS)

### INTERESTS

Roman History

Stoic Philosophy

Student Advocacy

Lincoln-Douglas Style Debates

## EXPERIENCE

### TORONTO TRANSIT COMMISSION | DEVELOPER

September 2017 – December 2017 | Toronto, ON

- Developed an advanced **Excel form** to address human factor issues at Transit Control by standardizing TTC travel alerts
- Analyzed TTC train arrival patterns using python to make **data driven decisions** with respect to enhancing reliability
- **Designed** a production **database** to store vehicle routing, travel times and alert logs

### INITIUM LABS, SEARS | SOFTWARE ENGINEER

January 2017 – April 2017 | Toronto, ON

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

### DIGISHOP | SOFTWARE DEVELOPER

November 2017 – Present | Waterloo, ON

- Used **React Native** to develop a cross-platform application to address pain points in the nail and spa industry

### ENGHACK | PROJECT MANAGER

January 2017 – May 2017 | Waterloo, ON

- **Acquired \$18 500 in sponsorships** to plan a 2-day event hosting **300 hackers**
- Used a project timeline to ensure **logistical concerns** were addressed on schedule
- **Presented** hackers and sponsors with a package detailing event protocols

### WATERLOO ENGINEERING COMPETITION | CONSULTING DIRECTOR

September 2016 – November 2016 | Waterloo, ON

- **Researched and designed** a comprehensive **SpaceX case study** to present to 40 competitors at the Waterloo Engineering Competition

## PROJECTS

### NBA ANALYTICS | EFFECTS OF HOME FIELD ADVANTAGE

- Calculated and analyzed **advanced NBA metrics** across 1600 games to identify significant trends in home and road records
- Used web scraping modules to assemble and **run significance tests on NBA data**
- Designed a **database schema** to efficiently store and retrieve data

### QUETUBE | ANDROID APP

- Built an Android application with React Native to **automate the download of videos** on my person device using on my viewing habits
- Experimented with **recommendation algorithms** to continuously update playlists

### ROBUSTIC | PROJECT MANAGER

- **Designed a robot** that transformed color coded signals into musical notes
- Coordinated with the software, electrical and mechanical teams leads to **build and integrate all systems** within a six week time frame

### SECURE MESSAGE ENCRYPTION | ARDUINO PROJECT

- **Designed communication protocol** to encrypt Morse code signals using symmetric-key **cryptography**, and transmit data using **timers and interrupts**