

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

EDUCATION

UNIVERSITY OF WATERLOO

BASc IN SYSTEMS ENGINEERING

Expected June 2021 | Waterloo, ON

AGILE WORKFLOW SEMINAR

IMPLEMENTING AGILE PRINCIPLES

March 2017 | Toronto, Ontario

YORK MEMORIAL CI

AP NATIONAL SCHOLAR

Grad. May 2016 | Toronto, Ontario

LINKS

Github:// [mabdinur](#)

LinkedIn:// [munirabdinur](#)

My Website:// [munirabdinur.me](#)

AWARDS

Waterloo Engineering Competition
2017 1st/50

WEC Consulting
2017 1st/13

YMCI Poetry Slam
2016 1st/200

ACTIVITIES

SPORTS

Competitive Swimming
Intramural Basketball
Varsity Soccer (HS)

INTERESTS

Roman History
Stoic Philosophy
Student Advocacy
(UW Engineering Society)
Lincoln-Douglas Style Debates

EXPERIENCE

TORONTO TRANSIT COMMISSION | UX DEVELOPER

Sept 2017 – Dec 2017 | Toronto, ON

- 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**, and **matplotlib**
- Designed an **Access** database to store and retrieve vehicle and route information

INITIUM LABS, SEARS CANADA | SOFTWARE ENGINEER

January 2017 – April 2017 | Toronto, ON

- Developed Sears Canada's **e-commerce** platform
- Created sales fulfillment app 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

DIGISHOP | LEAD SOFTWARE DEVELOPER

November 2017 – Present | Waterloo, ON

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

ENGHACK | HACKATHON DIRECTOR

January 2017 – May 2017 | Waterloo, ON

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

WATERLOO ENGINEERING COMPETITION | CONSULTING DIRECTOR

September 2016 – November 2016 | Waterloo, ON

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

PROJECTS

NBA ANALYTICS | EFFECTS OF 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

QUEUE-TUBE | ANDROID APP

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

MUSIC PLAYING ROBOT | ROBUSTIC (PROJECT MANAGER)

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